

*For the convenience of the trade in
the HUDSON RIVER VALLEY
and adjacent territory, we have
established a Distributor at Kings-
ton, N. Y.*

THE CANFIELD SUPPLY CO.

By this arrangement you are enabled to procure
prompt and efficient service and are sure to
obtain the best prices.

*Address all Communications to
KINGSTON OFFICE*

CANFIELD SUPPLY CO.

Wholesale Dealers

PLUMBING, HEATING, ENGINEERING
and ELECTRIC SUPPLIES

THE ATHENÆUM OF PHILADELPHIA



From the Fund in Memory of

HELEN H. & KENNETH W. GEMMILL

WHERE
-BB-



AND
QVAKER CITY
PRODUCTS ARE MADE

Introductory

WHEN this business was established over sixty years ago, a principle was laid down which has been strictly adhered to and that is that all merchandise offered must be such as to build the greatest amount of good will for our customers.

To maintain this principle, we are constantly improving our line of Tinnerns and Roofers supplies and you will find in this Catalogue many items which will save you time and money as well as add materially to the appearance of your work. Nothing is offered in the experimental stage. For your protection all goods manufactured by us are stamped "B. B." or Quaker City.

Prompt shipments, extreme care in filling orders, dependable merchandise, sincerity in description of goods offered, fair prices, and an honest effort to render real service are also what have helped us to give general satisfaction.

You can order from this Catalogue with the assurance that you will receive the careful attention of specialists trained to safeguard your interest.

Thorough co-operation can be counted upon in assisting you in any problems when you are in doubt as to what to use. Please feel free to make full use of this service.

We cordially invite you to visit us whenever possible, you can thus see just how thoroughly we are prepared to serve you.

Any orders you favor us with will meet with our best endeavors to merit a continuance of your patronage.

BERGER BROTHERS COMPANY.

Terms

DUE to fluctuations over which we have no control, all prices are quoted subject to change without notice.

Net cash, thirty days from date of invoice, or cash discount allowed if paid within ten days as per stamp on bill.

Bills not paid at maturity are subject to sight draft, without further notice. Goods are priced on a thirty-day basis of settlement, therefore no extensions can be allowed except by special agreement, made before goods are purchased. We will be obliged to add interest to all overdue accounts.

Claims for errors must be made upon receipt of goods.

We will gladly ship to new customers having good commercial rating or furnishing satisfactory reference.

In the absence of above we will ship either C. O. D. or to our order, with draft and bill of lading attached providing one-half payment is made in advance. This is necessary to insure acceptance.

In order to avoid unnecessary delays, please send your orders, inquiries and remittances upon separate sheets.

As questions constantly arise as to the responsibility of shipper for loss of and damage to goods in transit, we beg to call your special attention to the following:

(a) Our responsibility ceases as soon as goods are delivered in good order and condition at shipping point, and a receipt taken for the same—we, as senders, have no legal claim after the goods are delivered to the carriers properly consigned, as the ownership has passed from us to the consignee.

(b) No goods returned will be received by us unless we have given our permission that same can be returned, and party returning must in all cases pay freight and drayage charges plus 10% for our cost of handling, etc.

(c) After orders are entered the cancellation of same must be subject to our acceptance.

PAPY05-B10509
9/22/2005

TJCAR
1937

Berger Brothers

QUAKER CITY GUTTER



Lap Joint



Slip Joint

Fabricated on automatic machines, every length is a perfect half round and every bead a perfect circle. Made in lengths of 10 feet, of new, clean, prime sheets.

When ordering, please specify diameter desired. Depth is always one-half the diameter.

Also specify gauge, metal, and whether slip or lap joint. On slip joint gutter, one-half right and one-half left is furnished unless otherwise specified.

MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON AND COPPER

LIST PRICES PER FOOT

Size Inches	Single Bead Lap Joint						Double Bead Lap Joint						Single Bead Slip Joint						Double Bead Slip Joint						
	28 Gal.	26 Gal.	24 Gal.	22 Gal.	20 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	22 Gal.	20 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	22 Gal.	20 Gal.	16 oz. Copper	28 Gal.	26 Gal.	24 Gal.	22 Gal.	20 Gal.	16 oz. Copper	
3	\$.17	\$.21	.....	.....	.....	\$.26	\$.23	\$.28	.....	.....	.....	\$.32	\$.19	\$.23	.....	.....	.....	\$.29	\$.25	\$.30	.....	.....	.....	.....	\$.35
3½	.17	.21	.....	.....	.....	.32	.23	.28	.....	.....	.....	.40	.19	.23	.....	.....	.....	.35	.25	.30	.....	.....	.....	.....	.43
4	.19	.23	\$.33	.....	.....	.32	.25	.30	\$.44	.....	.....	.40	.21	.25	\$.35	.....	.....	.35	.27	.32	\$.46	.....	.....	.....	.43
5	.20	.24	.34	.....	.....	.36	.27	.32	.45	.....	.....	.45	.22	.26	.36	.....	.....	.39	.29	.34	.47	.....	.....	.....	.48
6	.25	.31	.40	.....	.....	.44	.33	.40	.55	.....	.....	.55	.27	.33	.42	.....	.....	.47	.35	.42	.57	.....	.....	.....	.58
7	.32	.40	.50	.....	.....	.54	.39	.50	.60	.....	.....	.64	.34	.42	.52	.....	.....	.57	.41	.52	.62	.....	.....	.....	.67
8	.42	.50	.60	\$1.08	\$1.33	.63	.50	.60	.70	\$1.14	\$1.39	.75	.44	.52	.62	\$1.11	\$1.36	.66	.52	.62	.72	\$1.16	\$1.41	.....	.78
9	.54	.66	.84	1.14	1.39	.80	.60	.72	.90	1.20	1.45	.92	.....	.....	.....	.....	.....	.83	.....	.....	.....	.....	.....	.....	.95
10	.60	.72	.90	1.20	1.45	.95	.66	.78	.96	1.26	1.51	1.07	.....	.....	.....	.....	.....	.98	.....	.....	.....	.....	.....	.....	1.10
12	.72	.84	1.02	1.32	1.57	.....	.78	.90	1.08	1.38	1.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

SPECIAL ROOF AND BOX GUTTERS



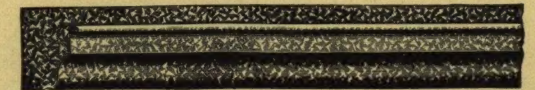
Style A



Style F



Style B



Style G



Style C



Style H



Style D



Style J



Style E



Style K

All roof and box gutters except Style K are made up to order only and under no conditions are they returnable.

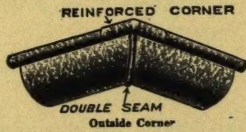
Style K Only

LIST PRICES PER FOOT

Girth Inches	No. 28	No. 26	No. 24	16 oz. Copper
8"	\$.18	\$.23	\$.32	\$.40
10"	.20	.24	.34	.44
12"	.25	.31	.40	.50
14"	.32	.40	.50	.70
16"	.38	.46	.56	.85



QUAKER CITY MITRES

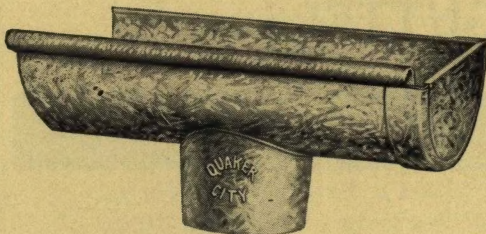


Quaker City, Double Seamed, Reinforced Mitres are the strongest and best looking mitres on the market. Both inside and outside corners, lap or slip joint, single or double bead. Produced as a perfect right angle, they are nevertheless flexible enough to allow for discrepancies in the building line. On the slip joint mitres, the bead is extended and the slip is opened with the same distinct advantages as Quaker City Gutter. On inside mitres a filler piece is inserted making bead continuous and eliminating the unsightly gap.

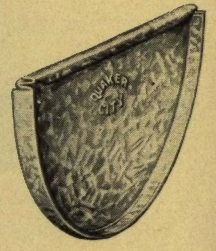
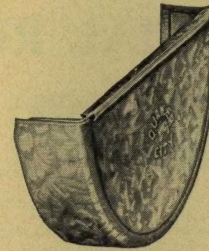
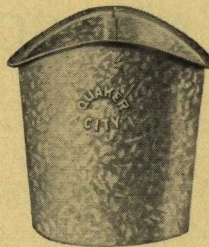
LIST PRICES PER DOZEN

Size Inches	Single Bead Lap Joint		Double Bead Lap Joint		Single Bead Slip Joint		Double Bead Slip Joint	
	Galvanized	Copper	Galvanized	Copper	Galvanized	Copper	Galvanized	Copper
3½	\$ 7.50	\$10.80	\$10.50	\$13.80	\$10.50	\$13.80	\$13.50	\$16.80
4	8.00	11.40	11.00	14.40	11.00	14.40	14.00	17.40
4½-5	9.25	13.20	12.25	16.20	12.25	16.20	15.25	19.20
6	11.75	20.04	14.75	23.04	14.75	23.04	17.75	26.04
7	15.75	25.80	18.75	28.80	18.75	28.80	21.75	31.80

QUAKER CITY END PIECES, CAPS AND OUTLETS



Style D End Piece, Without Cap



Quaker City End Pieces, Outlets and End Caps are made with the same care as all other Quaker City products, of new and clean, prime sheets. The end piece bead matches the Quaker City gutter bead perfectly and the outlet is tightly and securely fastened by presses insuring a leak proof end piece. Quaker City outlets are made with the lock seam on inside for better fit in the gutter and properly tapered to fit either plain round or corrugated conductor. Style C Quaker City end cap is a quality end cap representing the most in efficiency. The Quaker City One Piece End Cap is a really good cap made to meet the demand for extreme economy.

LIST PRICES PER DOZEN

Size—Inches	Galvanized							Copper						
	2	3	3½	4	4½-5	6	7	2	3	3½	4	4½-5	6	7
"A" End Pieces, Single Bead.....			\$5.20	\$5.60	\$6.25	\$7.30	\$8.40			\$16.20	\$17.40	\$19.20	\$22.20	\$27.00
"A" End Pieces, Double Bead.....			5.95	6.25	6.90	8.00	9.35			19.20	20.40	22.20	25.20	30.00
"B" Outlets, Only.....	\$1.20	\$1.45		1.80	2.35	2.90		\$3.60	\$4.80		6.00	7.20	8.40	
"C" End Caps, Only.....			1.80	1.90	2.00	2.40	2.90			4.80	4.80	6.00	6.60	7.80
"D" End Pieces, Single Bead.....			3.40	3.70	4.25	4.90	5.50			11.40	12.60	13.20	15.60	19.20
"D" End Pieces, Double Bead.....			4.15	4.35	4.90	5.60	6.45			14.40	15.60	16.20	18.60	22.20
One Piece End Caps. Prices Upon Application.														

LIST PRICES PER DOZEN

Size, Inches.....	3½	4	5	6	7
Galvanized.....	\$1.15	\$1.25	\$1.35	\$1.70	\$1.90
Copper.....	3.00	3.25	3.50	4.25	4.75



Slip Joint Connections

Used with lap joint gutter they provide right or left hand slip at will.

QUAKER CITY CONDUCTOR PIPE



Plain Round



Round Corrugated



Square Corrugated

Manufactured on the same type of automatic machines as Quaker City Gutter, every length is true to size and shape. The pipe seam is a true lock seam, permanently sealed with prick punches approximately every four inches for the full length of the seam.

Quaker City Conductor Pipe is really crimped correctly, permitting a quick and snug fit of its own members, also that of standard fittings fabricated by the leading manufacturers.

MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON, AND COPPER

LIST PRICES PER FOOT

Size Inches	Plain Round						Round Corrugated				Square Corrugated					
	No. 28	No. 26	No. 24	No. 22	No. 20	16 oz. Copper	No. 28	No. 26	No. 24	16 oz. Copper	Size Inches	Actual Size	No. 28	No. 26	No. 24	16 oz. Copper
1½	\$.18	\$.23				\$.30					2	1½"x2¼"	\$.23	\$.29		\$.31
2	.18	.23	\$.33			.30	\$.18	\$.23			3	2¼"x3½"	.24	.30	\$.40	.40
3	.20	.24	.34	\$.80	\$1.05	.36	.20	.24	\$.34	.36	4	2½"x4½"	.31	.38	.50	.53
4	.28	.34	.46	.88	1.13	.51	.28	.34	.46	.51	5	3½"x5½"	.42	.50	.65	.75
5	.39	.46	.60	.99	1.24	.69	.39	.46	.60	.69						
6	.50	.58	.72	1.10	1.35	.90	.50	.58	.72	.90						
7	.70	.82	1.00	1.30	1.55											
8	.80	.92	1.10	1.40	1.65											
9	.90	1.02	1.20	1.50	1.75											
10	1.00	1.12	1.30	1.60	1.85											

Prices on Plain Square Pipe Upon Application.

QUAKER CITY RIDGE ROLL AND V ANGLE RIDGE CAP



Manufactured with precision presses, all lengths are identical in straightness and clean-cut appearance.

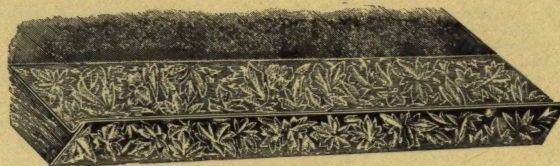
MANUFACTURED OF GALVANIZED STEEL, INGOT AND TONCAN IRON, AND COPPER

LIST PRICES PER FOOT

Diameter of Roll Inches	Width of Apron Inches	Girth Inches	No. 28	No. 26	No. 24	16 oz. Copper
1¼	2	7	\$.16	\$.21		
1½	2	8	.18	.23	\$.32	\$.32
2	2½	10	.20	.24	.34	.36
2½	3	12	.25	.31	.40	.45
3	3½	14	.32	.40	.50	.63

Galvanized Gravel Strip

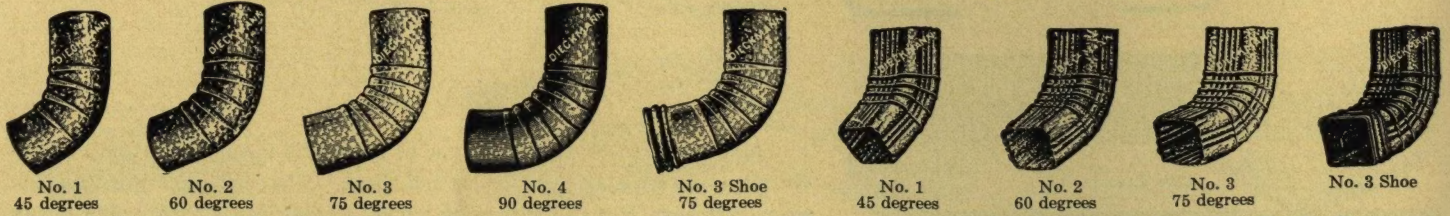
Prices quoted on application. State the dimensions of the three faces as desired, also the kind and gauge of material wanted.



CONDUCTOR ELBOWS AND SHOES

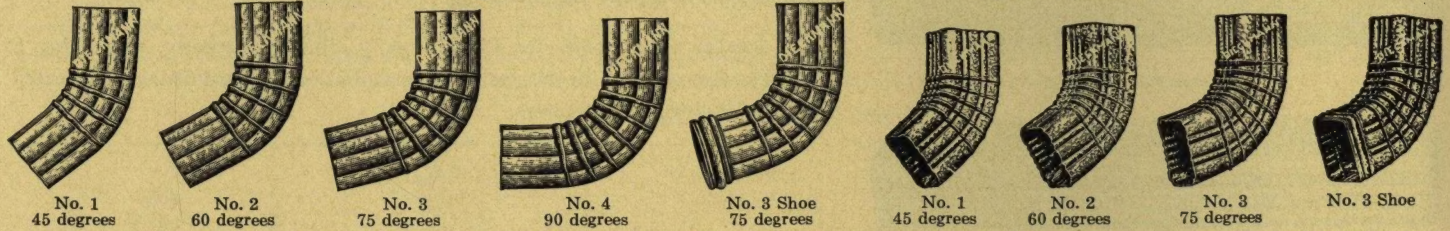
Plain Round

Square Corg. Style A



Round Corrugated

Square Corrugated. Style B



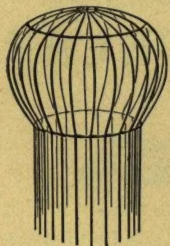
It is commonly known that the first to let go on a down spout is the Elbow, due to the fact that it must guide the flow of water, consequently suffers the entire strain and wear of the down spout. In order to offset this the Elbow must be of the proper angle, therefore, a sixty-degree or less angle is always more appropriate than an Elbow of more angle, as it has a pitch and will drain dry. The Elbow should at all times be made of a good grade of new material and same galvanized after formation, so as to cement the entire formation into one mass and coat all raw edges. Elbows should be used at all times to get around cornices, moldings and obstacles, as the commonly known soldered break in the pipe will cost more than an Elbow, and is not a durable job.

LIST PRICES—EACH

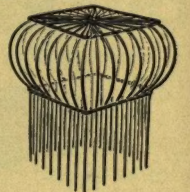
Size Inches	Plain Round and Round Corrugated						Square Corrugated							
	Galvanized Steel		Ingot Iron Toncan Metal		16 oz. Copper		Size Inches	Galvanized Steel		Ingot Iron Toncan Metal		16 oz. Copper		
	Elbows	Shoes	Elbows	Shoes	Elbows	Shoes		Elbows	Shoes	Elbows	Shoes	Elbows	Shoes	
2	\$.30	\$.40	\$.40	\$.50	\$.75	\$.85	2	\$.40	\$.50	\$.60	\$.75	\$.90	\$1.05	
3	.36	.48	.48	.60	1.00	1.10	3	.50	.60	.70	.85	1.20	1.35	
4	.60	.75	.75	.90	1.50	1.65	4	.75	.90	.90	1.10	1.80	2.00	
5	1.25	1.50	1.45	1.65	2.25	2.50	5	1.50	1.80	1.75	2.00	2.75	3.00	
6	1.50	1.80	1.75	2.00	3.15	3.50								

WIRE CONDUCTOR STRAINERS

LIST PRICES PER DOZEN



Round			Square		
Size	Galvanized	Copper	Size	Galvanized	Copper
2	\$.75	\$1.80	2"x3"	\$2.90	\$4.00
3	1.05	2.90	3"x4"	4.80	8.00
4	1.85	4.20	4"x5"	5.40	10.00
5	2.55	7.20			
6	3.00	8.25			



We carry the leading sizes of Conductor Strainers in stock. Heavier Gauges and larger sizes furnished to order promptly.

Coleman's Adjustable Spout Strainers
Can be easily fitted to round or square pipe. Made of heavy galvanized or copper wire.
No. 1, Galvanized, Will fit 2 to 4 inch pipe.
No. 2, Galvanized, Will fit 5 to 6 inch pipe.
No. 3, Copper, Will fit 2 to 4 inch pipe.
No. 4, Copper, Will fit 5 to 6 inch pipe.



KUEHN'S CORRECT CUT-OFF

No Solder used in putting them together
Galvanized after formation



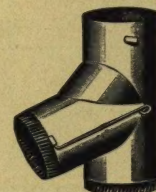
Unequalled for Strength

Price List—Per Dozen—Galvanized Steel

Round Corrugated		Plain Round	
2 inch.....	\$7.50	2 inch.....	\$7.00
3 inch.....	8.00	3 inch.....	8.00
4 inch.....	11.00	4 inch.....	11.00
5 inch.....	20.00	5 inch.....	20.00
6 inch.....	24.00	6 inch.....	24.00

Centennial Cut-Off

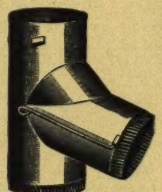
Can Be Used In Any Position Without Extra Pipe



Right Hand Wire



Sectional View



Left Hand Wire

Put up in crates of one dozen each, assorted right and left hand wires, so they may be used in any position without extra pipe or elbows.

Galvanized Plain Round

Sizes..... 2" 3" 4" 5" 6"
Copper Cut-Offs Can Also Be Furnished. Prices Upon Application.

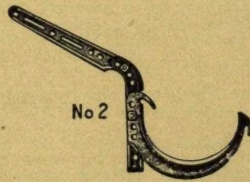
-BB- GUTTER HANGERS

With the only complete line of hangers on the market, B. B. Co. offer a great variety of styles and designs, from which may be selected a number for nearly any purpose. It is possible in the hinged type, by using different stems, to make styles other than those shown as the plates and stems are interchangeable. We shall be glad to advise you when you are in doubt.



No. 1 is clamped direct to the metal roof, needing only one bolt through the iron. A valuable article for awnings and corrugated roofs.

For large gutters use No. 16 stem giving one inch larger drip projection.

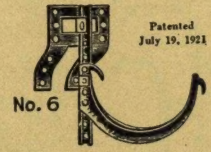


No. 2 is nailed to the side of rafter for any desired angle, either flat or extra steep roofs. See No. 11 for same pattern in one piece.

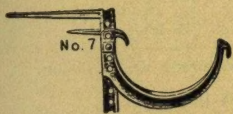


No. 5 will span over various shaped mouldings and is easily bent larger or smaller before nailing to the eave.

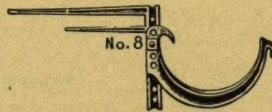
For larger projection of the shingle use No. 1 stems with this plate.



No. 6 is made specially to nail against "O. G." mouldings. The two stays are made to fit in the cove and can be bent to suit variation. Made of wrought iron.



No. 7 is made to drive from three to four inches square in the cornice. The lower prong forms a brace for the upper and makes it very strong and firm.



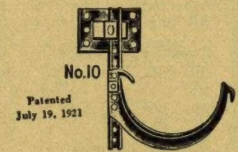
No. 8 is made to drive from three to six inches square in the cornice.

This iron is intended for eaves where the shingles project far over the cornice.



No. 9 is to drive with the pitch of the roof. Same length as No. 7.

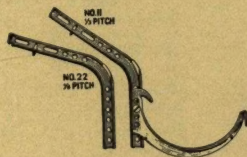
Suited for narrow moulded cornice.



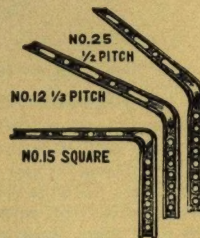
No. 10 is made to nail against square box cornices.



This shank is used where the nailing room will not permit the use of the No. 10 regular.

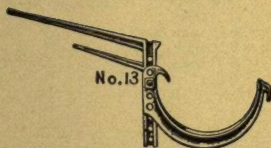


Nos. 11 and 22 Shanks are for nailing to the side of exposed rafters. Furnished in 4 and 5 inch drop lengths. When ordering, Specify No. 11 for 1/3 pitch or No. 22 for 1/6 pitch.

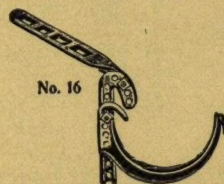


These are made to fasten under the shingles or slate. They are made of one solid piece of wrought channel and can be bent to any pitch of roof without the slightest danger of either weakening or breaking.

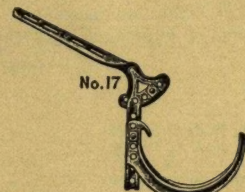
When ordering specify as follows: No. 12, for either 1/4 or 1/3 pitch roofs. No. 25 for 1/2 pitch or steep roofs. No. 15 for flat roofs.



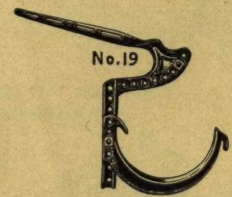
No. 13 drives with the pitch of the roof. Same length as No. 8.



No. 16 is fastened under the shingle. For extra steep roof use No. 1 stem.



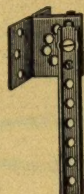
No. 17 is fastened under the shingles; the hinge and circle both adjust to every 1/8 inch.



No. 19 is used either on top or under the shingles and suited for short projections of the shingles over the mouldings.



No. 20 is hinged for any pitch, can be nailed or screwed to various shaped mouldings at any angle desired.



No. 30—Designed especially for O. G. Mouldings—takes the place of Nos. 1, 5, 6, 20 and in many instances No. 10. Write for descriptive circular.



EXTENSION SHANKS

This Shank is 6 inches long and the use of same allows for 5 inches extension. Interchangeable with any style shank shown.

LIST PRICES ON NEXT PAGE

ALL SHANKS AND CIRCLES ARE INTERCHANGEABLE

Orders for Shanks are filled with assorted lengths, and all orders, the lengths of which are specified other than the regular assortment usually furnished, will command an extra. See list for all long shanks. Some numbers (not listed all long) are not made to furnish in long lengths, and when circumstances require them longer than those regularly furnished, lengthen them by using extension shanks. See illustration and list price.

Look for our copyrighted trade mark B. B. on each piece.

LIST PRICES

BLACK AND TINNED SHANKS—PER 100

	Complete Plain Black	Complete Tinned	Plate only Black	Stem only Black	Plate only Tinned	Stem only Tinned
No. 1.....	\$15.00	\$18.00	\$9.00	\$6.00	\$10.80	\$7.20
No. 2.....	12.00	14.40	6.00	6.00	7.20	7.20
No. 5.....	12.00	14.40	5.00	7.00	6.00	8.40
No. 6 Assorted Lengths.....	9.00	10.80				
No. 6 All long.....	10.00	12.00				
No. 7 Assorted Lengths.....	7.00	8.40				
No. 8 Assorted Lengths.....	10.00	12.00				
No. 9 Assorted Lengths.....	7.00	8.40				
No. 10 Assorted Lengths.....	7.00	8.40				
No. 10 All long.....	8.00	9.60				
No. 11 Assorted Lengths.....	8.00	9.60				
No. 11 All long.....	9.00	10.80				
No. 12 Assorted Lengths.....	8.50	10.20				
No. 12 All long.....	9.50	11.40				
No. 13.....	10.00	12.00				
No. 15 Assorted Lengths.....	8.50	10.20				
No. 15 All long.....	9.50	11.40				
No. 16.....	15.00	18.00	8.00	7.00	9.60	8.40
No. 17.....	15.00	18.00	9.00	6.00	10.80	7.20
No. 19.....	18.00	21.60	9.00	9.00	10.80	10.80
No. 20.....	10.00	12.00	4.00	6.00	4.80	7.20
No. 22 Assorted Lengths.....	8.00	9.60				
No. 22 All long.....	9.00	10.80				
No. 25 Assorted Lengths.....	8.50	10.20				
No. 25 All long.....	9.50	11.40				
No. 30 Assorted Lengths.....	9.00	10.80				
No. 30 All long.....	10.00	12.00				
Extension Shanks.....	6.00	7.20				

COPPER CHANNEL SHANKS AND CIRCLES SHANKS—PER 100

	List Per 100		List Per 100
No. 6.....	\$25.00	No. 15.....	\$19.00
No. 10.....	19.00	No. 22.....	19.00
No. 11.....	19.00	No. 25.....	19.00
No. 12.....	19.00	No. 30.....	25.00
		Extension Shank..	14.00

MADE OF TUF-BRONZE FOR USE WITH COPPER GUTTER—EVERLASTING SHANKS

	Per 100		Per 100
No. 1.....	\$35.00	No. 11.....	\$24.00
No. 2.....	31.00	No. 12.....	28.00
No. 5.....	27.00	No. 13.....	22.00
No. 6.....	25.00	No. 15.....	28.00
No. 7.....	16.00	No. 16.....	38.00
No. 8.....	24.00	No. 17.....	38.00
No. 9.....	18.00	No. 19.....	41.00
No. 10.....	22.00	No. 20.....	27.00
		No. 25.....	28.00

One Brass Bolt Included With Each Hinged Shank.

CHANNEL GEM CIRCLE For Single Bead Gutters



MALLEABLE GEM CIRCLE

For Single Bead Gutters



Sizes: 3½, 4, 4½, 5, 6, 7 Inch

MALLEABLE PENN CIRCLE

For Double Bead Gutters



Sizes: 3½, 4, 4½, 5, 6, 7, 8 Inch

BLACK AND TINNED CIRCLES—PER 100 With Bolts and Clips

GEM CIRCLES (Single Bead)

	Black	Tinned
3½ inch.....	\$6.50	\$7.80
4 inch.....	6.50	7.80
4½ inch.....	7.50	9.00
5 inch.....	7.50	9.00
6 inch.....	10.00	12.00
7 inch.....	15.00	18.00
8 inch.....	18.00	21.60
10 inch.....	34.80	40.00

PENN CIRCLES (Double Bead)

	Black	Tinned
3½ inch.....	\$7.50	\$9.00
4 inch.....	7.50	9.00
4½ inch.....	8.50	10.20
5 inch.....	8.50	10.20
6 inch.....	11.00	13.20
7 inch.....	15.00	18.00
8 inch.....	18.00	21.60

COPPER CHANNEL GEM CIRCLES

	Per 100		Per 100
4 inch.....	\$18.50	5 inch.....	\$20.00
4½ inch.....	20.00	6 inch.....	31.00

TUF BRONZE CIRCLES With Brass Bolts and Clips

GEM CIRCLES

	Per 100
3 inch.....	\$13.00
3½ inch.....	18.50
4 inch.....	18.50
4½ inch.....	20.00
5 inch.....	20.00
6 inch.....	31.00
7 inch.....	40.00
8 inch.....	45.00

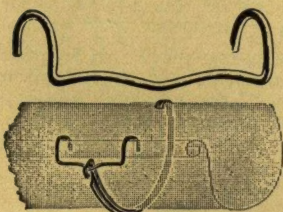
PENN CIRCLES

	Per 100
3½ inch.....	\$25.00
4 inch.....	25.00
4½ inch.....	28.00
5 inch.....	28.00
6 inch.....	35.00
7 inch.....	40.00
8 inch.....	45.00

B. B. SPRING CLIP

This clip revolutionizes the erection of eaves trough when shanks and circles are used; it requires no solder and stays secure under all conditions; is easy to attach or detach. Saves labor and makes a perfect finished job. Also used for straightening eaves trough that has sagged out of shape, due to the old style circle straps falling off. There is no extra charge for these clips when purchased with B. B. Circles over the old style strap.

ONE SIZE FOR ALL SIZE CIRCLES

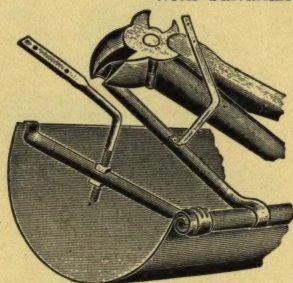


BERGER IMPERIAL HANGERS With Galvanized Cross Bars

If all long Straps are wanted, add \$1.50 per gross to list. If all short, add 50 cents per gross to list.

	Per Gross
¼" Rods and Nuts Only.....	\$6.00
Assorted, List.....	5.50
All 7" Rods, List.....	6.50
All 9" Rods, List.....	7.00

Above lists cover rod and nut style with Galvanized Cross Bars and Black Rods and Nuts. Strap Hangers, Galvanized throughout.



On the Rod and Nut Hangers stems are packed as follows: 72—7" long, 48—9" long, and 24—11" long. Strap Hangers packed 96—10" long and 48—12" long.

EAVE TROUGH HANGER RODS



Sizes	3"	3½"	4"	4½"	5"	6"	7"	8"
Hangers with Straps Riveted on Cross Bars—Single Bead.....	\$7.90	\$7.90	\$8.50	\$9.10	\$9.10	\$10.20	\$12.40	\$16.90
Hangers with Straps Riveted on Cross Bars—Double Bead.....	8.50	8.50	9.10	9.70	9.70	10.80	13.00	17.50
Hangers with Rods and Nuts, Complete—Single Bead.....	9.60	9.60	10.10	10.70	10.70	11.80	14.10	18.60
Hangers with Rods and Nuts, Complete—Double Bead.....	10.20	10.20	10.70	11.30	11.30	12.40	14.70	19.20
Galvanized Cross Bars Only—Single Bead.....	6.10	6.10	6.80	7.30	7.30	8.30	10.70	14.10
Galvanized Cross Bars Only—Double Bead.....	6.70	6.70	7.40	7.90	7.90	8.90	11.30	14.70



HANGER TONGS For Clinching Hangers

A handy, valuable tool for many other purposes.

List Price..... \$0.70

CONDUCTOR HOOKS AND FASTENERS

Berger's "B. B." Pipe Fastener



This Fastener must be seen and used to be appreciated. It can be used on all kinds and sizes of pipes, and used either end up, right or left hand; or in any other position desired, and allows enough variation to let the pipe slip together until it is tight in the joints, as all pipe should be to prevent rattling. Needs no close measuring on the wall to find a joint for the drive, and combines a handy, perfect, solid, concealed fastening in every respect.

Owing to the racks being long, with clips at each end to solder, the strain is lessened and they are not liable to become loose. The Drives are made, as illustrated, in various lengths and styles, and by keeping an assortment of these Fasteners the pipe can always be fastened to wood, brick or stone at any distance from the wall, hence the B. B. Fastener is just the article wanted for every requirement.

Price Per 100 Fasteners Complete.
Stamped or Malleable Racks with Malleable Drives.

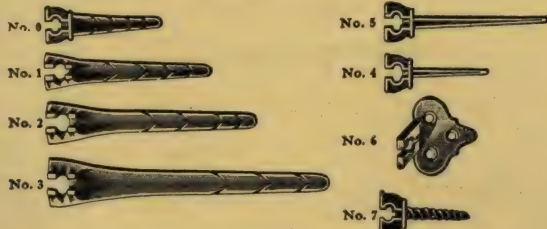
TINNED

No. 0, for brick, 3 inch.....	\$11.50
No. 1, for brick or stone, 4 1/2 inch.....	13.50
No. 2, for stone, 6 inch.....	16.00
No. 3, for stone, 9 inch.....	21.00
No. 4, for wood, 3 inch.....	10.50
No. 5, for wood, 5 inch.....	12.00
No. 6, to nail on wood.....	11.50
No. 7, to screw in wood.....	11.50

TUF BRONZE

No. 0, for brick, 3 inch.....	\$24.00
No. 1, for brick or stone, 4 1/2 inch.....	28.00
No. 2, for stone, 6 inch.....	36.00
No. 3, for stone, 9 inch.....	49.00
No. 4, for wood, 3 inch.....	20.50
No. 5, for wood, 5 inch.....	26.00
No. 6, to nail on wood.....	24.00
No. 7, to screw in wood.....	21.50

PRICE LIST ON DRIVES ONLY



Drives Only Per 100 Pieces		Malleable Tinned	Tuf Bronze
No. 0, for brick, 3 inch.....		\$4.50	\$10.00
No. 1, for brick or stone, 4 1/2 inch.....		6.50	14.00
No. 2, for stone, 6 inch.....		9.00	22.00
No. 3, for stone, 9 inch.....		14.00	35.00
No. 4, for wood, 3 inch.....		3.50	6.50
No. 5, for wood, 5 inch.....		5.00	12.00
No. 6, to nail on wood.....		4.50	10.00
No. 7, to screw in wood.....		4.50	7.50
Racks and Keys Only.....		7.00	14.00
Keys Only.....		.75	2.00

Square Wired Hooks



Per 100		Malleable Tinned		Tuf Bronze	
Inches		Wood	Brick	Wood	Brick
2.....		\$6.00	\$7.00	\$12.00	\$13.00
3.....		8.00	10.00	15.00	20.00
4.....		10.00	12.00	20.00	27.00
5.....		15.00	16.00	27.00	30.00
6.....					35.00

Round Wired Hooks



WOOD DRIVE—PER 100		Malleable Tinned	Tuf Bronze
Inches			
3.....		\$7.00	\$15.00
4.....		9.00	20.00

Wrought Iron Sickle Hooks

FOR WOOD OR BRICK



Price Per 100, Galvanized		
2 inch.....		\$7.00
3 inch.....		8.00
4 inch.....		12.00
5 inch.....		15.00
6 inch.....		18.00
7 inch.....		30.00
8 inch.....		36.00



Corrugated Sickle Conductor Hooks

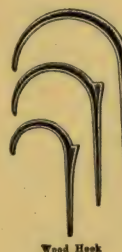


Per 100		
Malleable Tinned		
Inches	Wood	Brick
2.....	\$5.50	\$6.00
3.....	8.00	9.00
4.....	11.00	12.00
Tuf Bronze		
Inches	Wood	Brick
2.....	\$10.00	\$12.00
3.....	15.00	16.00
4.....	22.00	24.00

In ordering Sickle Hooks always state whether Corrugated Sickle or Plain Sickle are wanted, otherwise an error may occur or the order be delayed in writing for the information.



Plain Sickle Hooks



Per 100		
Malleable Tinned		
Inches	Wood	Brick
2.....	\$4.00	\$4.50
2 1/2.....	6.00	
3.....	6.00	7.00
4.....	7.00	9.00
5.....	12.00	13.00
6.....	16.00	18.00
Tuf Bronze		
Inches	Wood	Brick
2.....	\$8.00	\$10.00
3.....	14.00	16.00
4.....	18.00	24.00
5.....	30.00	35.00
6.....	40.00	50.00



Round Corrugated Hinged Hooks

SHORT AND LONG WOOD DRIVES—PER 100

Inches	Malleable		Tinned		Tuf Bronze	
	Short	Long	Short	Long	Short	Long
2.....	\$10.00	\$11.00	\$16.00	\$18.00		
3.....	11.00	13.00	21.00	24.00		
4.....	17.00	20.00	30.00	36.00		
5.....		24.00		42.00		
6.....		32.00		60.00		

For Extra Long Drives, See Adjustable Clasp Hook.



Round Corrugated Hinged Hooks

BRICK DRIVE—PER 100

Inches	Malleable Tinned		Tuf Bronze	
2.....		\$11.00		\$18.00
3.....		14.00		27.00
4.....		20.00		36.00
5.....		25.00		48.00
6.....		34.00		60.00

In ordering these hooks always state clearly Corrugated Hinged, otherwise they may be confused with Corrugated Sickle Hooks and an error be made, or some time lost in getting the desired information.



Plain Round Hinged Hooks

WOOD DRIVE—PER 100

Inches	Malleable Tinned		Tuf Bronze	
2.....		\$9.00		\$16.00
3.....		12.00		22.00
4.....		16.00		30.00

5" and 6" Use Clasp Pipe Hook.



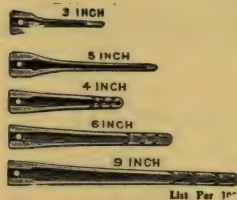
Plain Round Hinged Hooks

BRICK DRIVE—PER 100

Inches	Malleable Tinned		Tuf Bronze	
2.....		\$11.00		\$18.00
3.....		13.00		27.00
4.....		16.00		36.00
5.....		27.00		48.00
6.....				60.00



Clasp Pipe Hooks



List Per 100

Inches 3 4 5 6

ROUND CLASPS ONLY

Tinned Malleable	\$12.00	\$18.00	\$24.00	\$32.00
Tuf Bronze.....	24.00	32.00	44.00	53.00

CORRUGATED CLASPS ONLY

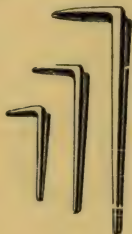
Tinned Malleable	12.00	18.00	24.00	32.00
Tuf Bronze.....	24.00	32.00	45.00	53.00

SQUARE CLASPS ONLY

Tinned Malleable	8.00	10.00	12.00	14.00
Tuf Bronze.....	15.00	20.00	24.00	28.00

	Tinned	Tuf Bronze
3 inch wood drive, only.....	\$3.00	\$8.00
5 inch wood drive, only.....	6.00	12.00
4 inch brick drive, only.....	6.00	12.00
6 inch brick drive, only.....	10.00	22.00
9 inch brick drive, only.....	16.00	33.00

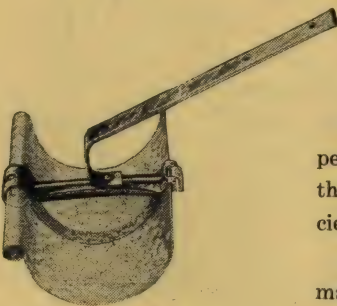
The advantages are, that with a small assortment of Clasps and Drives, a variety of pipe can be fastened to wood, brick or stone, at any distance from the wall.



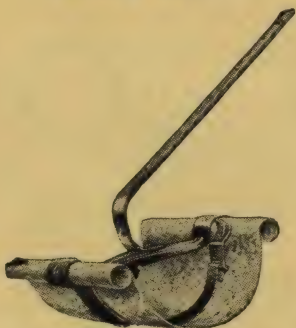
Flashing Hooks

List Price Per 100

Inches	1 1/2	2 1/2	3 1/2	5 1/2	7 1/2
Black.....	\$0.90	\$1.50	\$2.20	\$5.00	\$8.00
Tinned.....	1.10	1.80	2.70	6.00	10.00
Tuf Bronze....	2.00	4.00	6.00	12.00	18.00



SINGLE BEAD



DOUBLE BEAD

Below is a picture of the Rival Hanger as it appears when packed in its heavy corrugated cardboard carton.



The Rival Strap Hanger

Made in both galvanized and copper, for Single Bead and Double Bead, the Rival Strap Hanger is both efficient and economical.

It is constructed in a simple, logical manner, insuring its installation with a minimum of labor. No complicated instructions are needed to apply it. It is made of entirely new metal and has never been weakened in order to save material.

The cross-bar is in one piece and cannot spread. Its truss shape makes it rigid and unyielding. When adjusting the Rival Hanger, first slip the Bead-Lock under the Bead. This insures a perfect fit and holds gutter firmly in position.

No. 30 Pipe Cleats

Stamped From Heavy Sheet Steel

List Price Per 100
Galv. Tinned

Especially suited for three and four inch pipe..... \$2.50 \$4.50
This Cleat makes a handsome finish on porch columns; no tinner should be without them; they will answer for all kinds of pipe.

No. 50 Pipe Cleats

Stamped from Heavy Sheet Steel

List Price Per 100
Galv. Tinned

7 1/2 inches long..... \$3.50 \$7.00
This Cleat is fastened lengthwise for slipped joints and will answer for all sizes or kinds of pipe. Put up 50 in a package.

Gutter Spikes



Where this can be used there is nothing handier or stronger—a first-class ice breaker, and just the thing for "O. G." or square gutter.

	List Per 100		Tuf
	Black	Tinned	Bronze
No. 1—4 inch.....	\$10.00	\$12.00	\$23.00
No. 1—5 inch.....	11.50	14.00	26.00
No. 1—6 inch.....	13.00	15.50	35.00

Repair Spikes



	List Per 100	9	12
Inches.....	7		
Black.....	\$9.00	\$11.50	\$13.00
Tinned.....	11.00	14.00	15.50

A handy article to straighten up twisted gutter.

Keystone Wire Hangers

Triple Twist

Every Piece Absolutely Perfect

List	Per Gross
3 inch.....	\$2.75
3 1/2 inch.....	2.75
4 inch.....	2.75
4 1/2 inch.....	3.00
5 inch.....	3.00
6 inch.....	3.50
7 inch.....	4.00
8 inch.....	4.50

Double Bead Hangers, 25 cents per gross to list.

For all 11-inch Stems, add 50 cents to list.

Our Wire Hanger is made only of the very best galvanized steel wire. Compare the Keystone with other makes.

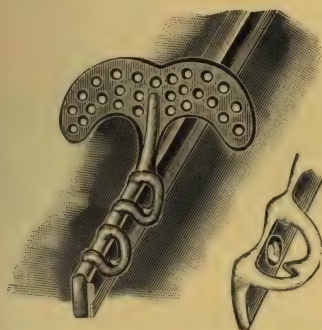
Starting Teat

One of our improvements is the Starting Teat on Nos. 10, 11 and 22 Shanks. By placing the shank against the eave and tapping gently with a hammer, the wedge shaped prong will enter the wood, holding the shank in place and allowing free use of both hands for nailing.

Tuf-Bronze

Tuf-Bronze is a patented alloy that has proven to be 100% stronger than our old discontinued bronze, but still retaining all the qualities of a non-rusting metal. Though Tuf-Bronze is of a tough, springy nature, it is not brittle. When relieved from a terrific strain it flies back into position. It is just what is needed to withstand the shock of sliding snow and ice.

SNOW GUARDS



Standing-Seam Roof Snow Irons

Designed to dispense with snow rails or gutters formed on the roof to prevent snow sliding. They clamp fast to the roof by clinching the lugs through the standing seam.

Made of the best Malleable Iron.

List Price Per 100	Galv.
No. 1, for standing seam.....	\$21.00



Slate Roof Snow Iron

The No. 2 is riveted on $\frac{1}{8}$ x 1 inch iron plates, 12 inches long, to go 8 inches under the slate.

List Price Per 100	Galv.
No. 2 for slate roof complete.....	\$30.00

It is very ornamental on a roof and must be seen to be fully appreciated.

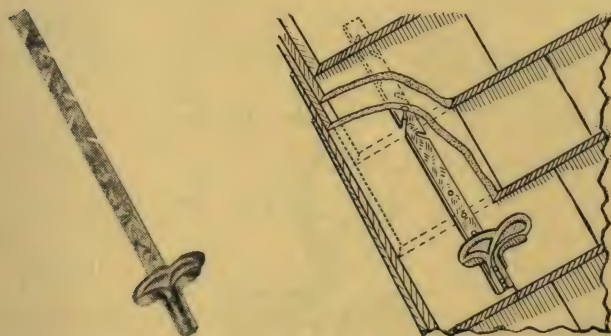


Corrugated Roof Snow Irons

This cut shows our No. 20 Iron for corrugated roofing and fits either $1\frac{1}{4}$ inch or $2\frac{1}{2}$ inch corrugation. It is applied either by riveting to roof or by nailing through the roof to sheathing. It fits on top of the corrugation, as illustrated, and will not leak.

List Price Per 100	Galv.
No. 20, for corrugated roofs.....	\$18.00

No. 100 Snow Guard
PATENTED



Designed especially for old roofs, the No. 100 Snow Guard has eliminated the necessity of removing slate, with the possibility of breakage, in order to apply it. You simply insert the slotted plate under the slate or shingle; engage a nail with the convenient, scientifically placed slots and draw downward to secure the full benefit of the slot. At the base of the Guard there are two sharp points which tend to keep the Guard in alignment. Five to ten of these Guards can be installed in the time it takes to install one of the old style Guards.

Made of heavy stamped steel, hot galvanized after forming, and stamped copper, its deep flanges and embossments give it maximum strength.

Giant Wrought Snow Guard

Patented September 16, 1924

HOT GALVANIZED



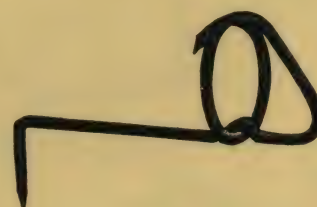
This Snow Guard is made of heavy band iron, formed and riveted in such a manner that the loop is braced against the guard itself, making it capable of holding a great amount of snow and ice without bending. The hot galvanized coating absolutely prevents rusting and discoloring of roof.

Exceptionally strong. Priced reasonably low.

For Slate Roofs

List Price per 100.....	\$24.00
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"Loop the Loop" Wire Snow Guards



"Loop the Loop" Guard for New Roofs

Directions for Laying Snow Guards for New Roofs

Lay out the eaves course close, as usual, but lay the next course with joints slightly open to receive the shank of guard. After lining for third course place the guards in the joints, with the loop just below lap of course, and drive the prong into the roof boards; then lay the course which will only leave the loop exposed.

Take care to have the shank well sunk into the joint so that slate of following course will lay perfectly flat and not bear upon the guard.

One quarter pitch roof.....use	50 guards per square
One-third pitch roof.....use	75 guards per square
One-half pitch roof.....use	150 guards per square

All towers should have a guard at every joint.

All guards made of either copper or galvanized wire. Prompt shipments in any quantity desired. Strongest wire guard on the market.

	List
	Per 1,000
"Loop the Loop" Re-Galvanized Wire for new roofs.....	\$60.00
"Loop the Loop" Copper Wire for new roofs.....	100.00

WROUGHT STAR EARS



No. 20

No. 30

No. 40

No. 50

No. 60

No. 70

LIST PRICE PER GROSS, TINNED

\$1.40

\$1.70

\$2.40

\$3.80

\$4.60

\$6.30

Our Wrought Star Ears are the same size and thickness as Malleable. All perfectly even. The finest ear that can be made. Samples Free.
Above Illustrations Are Reduced.

MALLEABLE STAR EARS



No. 1

No. 2

No. 3

No. 4

No. 5

No. 6

LIST PRICE PER GROSS, TINNED

\$1.40

\$1.80

\$2.20

\$2.80

\$4.00

\$5.00

Countersunk Rivet Holes on Under Side for Flush Rivet Heads. Samples Upon Request.
Above Illustrations Are Reduced.

Heavy Malleable Wash Kettle Ears



No. 1—Size $1\frac{1}{2}$ x $1\frac{7}{8}$ inch. Weight per gross 10 lbs.
No. 2—Size $1\frac{3}{8}$ x $2\frac{1}{8}$ inch. Weight per gross $15\frac{3}{4}$ lbs.
No. 3—Size 2 x $2\frac{1}{4}$ inch. Weight per gross $21\frac{3}{4}$ lbs.
No. 4—Size $2\frac{1}{2}$ x $2\frac{3}{4}$ inch. Weight per gross $29\frac{3}{8}$ lbs.

Heavy Malleable Star Ears



No. 1—Size $1\frac{1}{2}$ x 2 inch. Weight per gross 9 lbs.
No. 2—Size $1\frac{3}{4}$ x $2\frac{1}{4}$ inch. Weight per gross $12\frac{1}{8}$ lbs.
No. 3—Size 2 x $2\frac{1}{2}$ inch. Weight per gross $20\frac{1}{2}$ lbs.
No. 4—Size $2\frac{3}{8}$ x $2\frac{7}{8}$ inch. Weight per gross $28\frac{1}{4}$ lbs.

Malleable Boiler Ears



Very heavy and strong. Weigh about $4\frac{1}{2}$ lbs. to the dozen pieces.
No. 12, $3\frac{3}{4}$ inches across.
Weight per gross 51 lbs.

Malleable Forked Ears

For heavy well buckets and similar articles.



	Per Doz.	Gross
Black.....	\$0.60	\$6.40
Tinned.....	.90	9.50

Barrel lots quoted per pound upon application.
Weight per gross 19 lbs.

HANDLES

The Handles Listed Below Are All Malleable Iron and Tinned. Can Furnish Black If Desired

Lid Handles



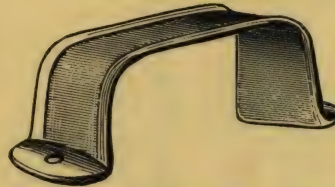
	Per Doz.	Gross
3 inch.....	\$0.50	\$5.40
3½ inch.....	.80	8.00
4 inch.....	.90	10.00

Fluted Lid Handles



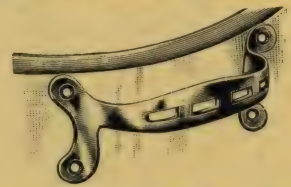
	Per Doz.	Gross
3½ inch.....	\$2.30	\$25.00

Flat Lid Handles



	Per Doz.	Gross
3 inch.....	\$1.40	\$15.50
4 inch.....	3.00	33.00

Fancy Boiler Handles



	Per Doz.	Gross
4 inch.....	\$1.50	\$15.75

This Handle is round underneath and does not cut the hand in carrying.

Ash Can Handles



	Per Doz.	Gross
3½ inch.....	\$1.90	\$20.00
4 inch.....	2.40	26.00

Dish Pan Handles



	Per Doz.	Gross
2 inch.....	\$0.40	\$4.00
3 inch.....	.50	5.20

Heavy Dish Pan Handles



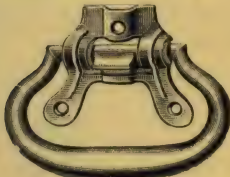
	Per Doz.	Gross
3½ inch.....	\$1.20	\$13.00

Bread Pan Handles



	Per Doz.	Gross
3 inch.....	\$0.60	\$5.70
3½ inch.....	1.00	10.40

Lard Can Drop Handles and Clips



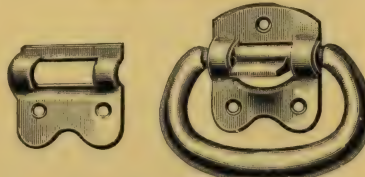
	Per Doz.	Gross
3 inch.....	\$1.00	\$11.00
3½ inch.....	1.20	13.00
4 inch.....	1.60	17.50
3 inch, Clip only..	.45	5.00
3½ inch and 4 inch, Clip only..	.50	5.20

Guard Drop Handles and Clips



	Per Doz.	Gross
3½ inch.....	\$2.90	\$31.00
4 inch.....	3.70	40.00
Clips only...	.55	6.00

Milk Can Drop Handles and Clips



	Per Doz.	Gross
3½ inch, with Clips...	\$2.40	\$26.00
3½ inch, Handles only	1.80	19.80
Clips only (Round or Square Top)	.60	6.20

Milk Can Handles and Clips



	Per Doz.	Gross
3½ inch.....	\$2.70	\$29.00
4 inch.....	3.50	38.00

Handles only

3½ inch.....	\$1.90	\$20.50
4 inch.....	2.70	29.50
Clips only..	.80	8.50

Coppered Grooved Boiler Handles



Made of Gray Iron and Coppered.
4 Sizes:
2½, 3, 3½ and 4 Inch.

Malleable Grooved Boiler Handles

Same Style as Copper Grooved Boiler Handles.

Tinned	Per Doz.	Gross
3 inch.....	\$1.00	\$11.30
3½ inch.....	1.40	15.20

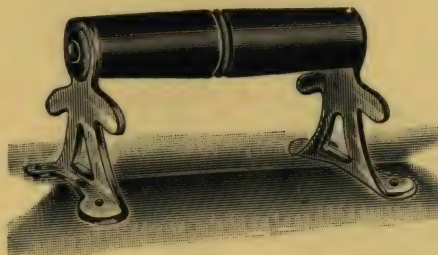
Stamped Lid Handle



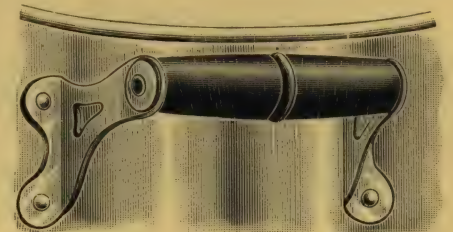
A good, substantial, stamped Lid Handle made of No. 16 metal, tinned after forming. Extreme inside opening, 3 inches.

Keystone Boiler Handles

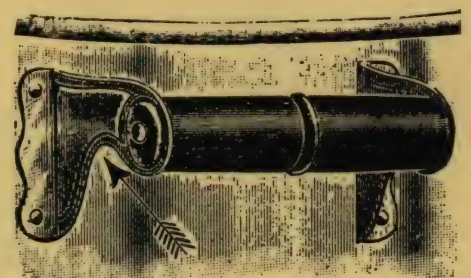
The clips of these handles are made from heavy sheet steel, brightly tinned, and of finest finish. A heavy oval head rivet runs through the entire handle and is securely riveted on the outside with a bright smooth spun head, making it impossible for the wood to pull out. They will outlast any boiler, regardless of its quality.



No. 6, 3¼ In. for Beveled Lids
No. 60, 4 In. for Beveled Lids



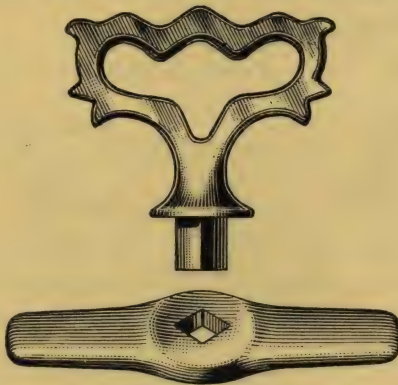
No. 10, 3¼ In. for Oval Boiler
No. 20, 3¼ In. for Square Boiler



No. 40, 4 In. for Oval Boiler.

MALLEABLE IRON OVEN TURNBUCKLES

Stove Buckles and Tongues



Straight Tongue



Bent Tongue

In Gross Boxes	Tinned	List Per Gross
1/4 inch Shank (Regular) with tongues		\$4.30
3/8 inch Shank (Special) with tongues		4.60
Tongues only		1.90

Always specify the size Shank and whether Straight or Bent Tongues are desired. Straight Tongues sent when style is not specified. Price furnished for these goods in bulk upon application.

No. 50 Oven Turnbuckle and Tongue



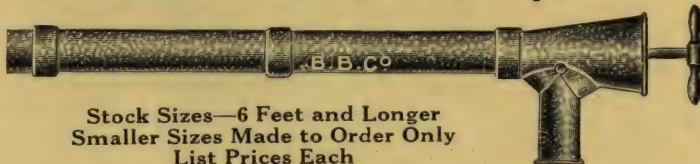
Tinned



Actual Size

	List Per Gross
Complete	\$3.30
Buckle only	1.90
Tongue only	1.55

Galvanized Boat Pumps



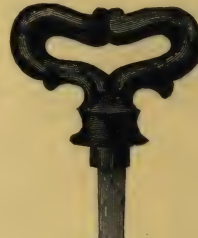
Stock Sizes—6 Feet and Longer
Smaller Sizes Made to Order Only
List Prices Each

Diameter Size	1 1/2 and 2 Inch	2 1/2 and 3 Inch	3 1/2 and 4 Inch
2 foot	\$4.75		
3 foot	5.00		
4 foot	5.50	\$9.00	\$10.00
5 foot	6.00	9.50	10.70
6 foot	6.60	10.00	11.00
7 foot	7.00	10.60	11.50
8 foot	7.50	11.00	12.00
9 foot	8.00	11.50	13.00
10 foot	9.00	12.00	14.00
12 foot	10.00	14.00	15.00
14 foot		16.00	18.00
16 foot		18.00	20.00

Boat Pump Handles



Sizes—6, 7, 8, 9, 10, 11, 12, 13, 14 and 15 Feet Long



No. 8 Buckle



1 inch Tongue

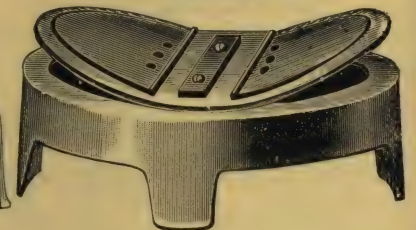
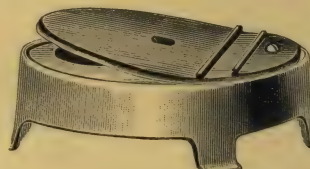


3/4 Inch Tongue

VALVES—PLUNGERS

Pump Valves

Double Clapper Valves

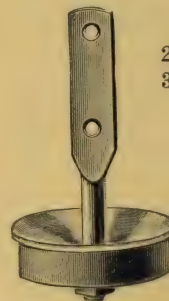


	List Per Doz.		List Per Doz.
2 1/2 inch	\$4.00	4 1/2 inch	\$10.00
3 inch	4.50	5 inch	12.00
3 1/2 inch	5.50		
4 inch	6.50		

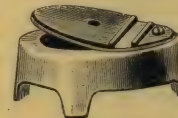
Improved Plungers

List Per Dozen

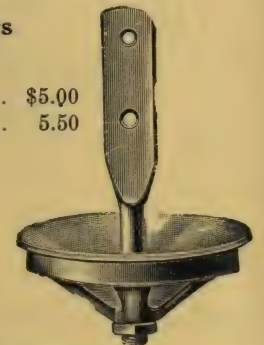
2 1/2 inch	\$3.00	3 1/2 inch	\$5.00
3 inch	4.00	4 inch	5.50



Oil Valve and Plunger



Oil Valves and Plungers



Improved Plunger

	List Per Doz. Pairs
1 inch	\$3.00
1 1/4 inch	3.00
1 1/2 inch	3.50
1 3/4 inch	4.00
2 inch	4.50

Leather Plungers for Boat Pumps

List Per Doz.

2 inch	\$2.60	4 inch	\$5.60
2 1/2 inch	3.30	4 1/2 inch	8.00
3 inch	4.00	5 inch	10.00
3 1/2 inch	4.80		

In making these Valves and Plungers only the best castings, rubber and leather procurable are used and they are as near perfect as it is possible to make them.

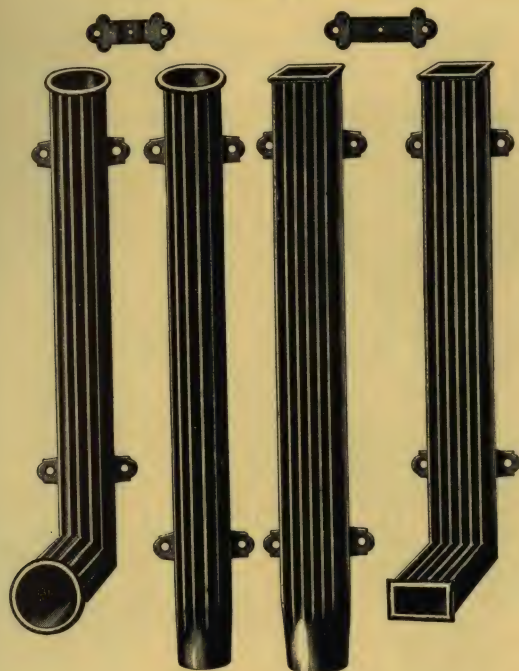
Valves are furnished with leather clappers, sizes 1 inch to 2 1/2, inches inclusive; rubber clappers 3 inches and larger.

Leather clappers can be furnished in the larger sizes. Made to order only, in stock quantities.



Leather Plunger

Cast Iron Leader Shoes and Sewer Connections With Detachable Lugs



No. 1 Shoe
No. 2 Sewer Connection
No. 3 Sewer Connection
No. 4 Shoe

No.	Size Opening	Size Outlet	Length	List Price Each
1.....	3 inch		54 inch	\$7.00
1.....	4 inch		54 inch	11.00
1.....	5 inch		60 inch	13.00
1.....	6 inch		60 inch	17.00
2.....	3 inch		48 inch	6.50
2.....	4 inch		48 inch	9.50
2.....	5 inch		60 inch	12.00
2.....	6 inch		60 inch	17.00
3.....	2x3 inch	3 inch	48 inch	8.00
3.....	3x4 inch	4 inch	48 inch	10.50
3.....	4x5 inch	5 inch	60 inch	18.00
3.....	4x6 inch	6 inch	60 inch	24.00
4.....	2x3 inch		48 inch	8.50
4.....	3x4 inch		48 inch	10.50
4.....	4x5 inch		60 inch	19.00
4.....	4x6 inch		60 inch	24.00

Sizes Given Are as Near Correct as Our Manufacturing Conditions Will Permit.

Regular Sizes Always in Stock. Estimates Furnished on Special Sizes and Shapes.

These Goods Are Sold Only On Condition That After Purchase They Cannot Be Returned.



B. B. Perfect Pipe Straps

Size	Wt. Per 100 Pcs.	Size	Wt. Per 100 Pcs.
1/4"	1 3/4 lbs.	1 1/2"	9 3/4 lbs.
3/8"	2 3/8 lbs.	2 "	13 1/4 lbs.
1/2"	2 7/8 lbs.	2 1/2"	20 lbs.
3/4"	4 1/8 lbs.	3 "	22 1/4 lbs.
1 "	6 1/8 lbs.	3 1/2"	43 3/4 lbs.
1 1/4"	7 5/8 lbs.	4 "	45 5/8 lbs.

Neat, clean cut, round ends, uniform thickness. Scientifically constructed. More pieces per lb.

Blast Gates



These Blast Gates are designed for closing pipes supplying blast to furnaces, forges, boilers, etc.; for use in exhaust or blast pipe systems, where material of any kind or gases of any nature are to be removed; or for controlling the heated air in connection with Fan Systems of heating. They are made in sizes from 2 inch to 24 inch.

All Gates are equipped with cold drawn thumb screws so that the slide can be held at any desired position. These screws are tough and will not break off in shipping or handling Gates or when manipulating the screw.

Size	List Price Each	Size	List Price Each	Size	List Price Each
2 inch	\$1.15	7 inch	\$3.10	15 inch	\$10.00
2 1/2 inch	1.20	8 inch	3.50	16 inch	12.00
3 inch	1.25	9 inch	4.00	18 inch	15.00
4 inch	1.50	10 inch	4.50	20 inch	18.00
5 inch	2.00	12 inch	6.00	24 inch	28.00
6 inch	2.75	14 inch	8.00		

No. 53 Enameled Tea-Pot Knobs



Enameled Pail Woods

3, 3 1/2, 4 inch.....



Plain Pail Woods

3, 3 1/2, 4 inch.....

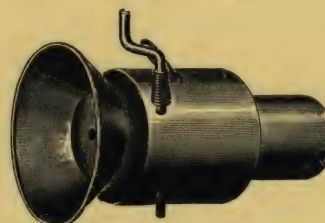
Standard Speaking-Tube



List Prices

1 inch, price per foot.....	\$0.03
1 inch, Stamped Elbows, each.....	.08
1 inch, Stamped Tee, each.....	.16

Speaking-Tube Whistle



SPEAKING TUBE ELBOW

List Per Dozen	Nickel
With indicator.....	\$5.60

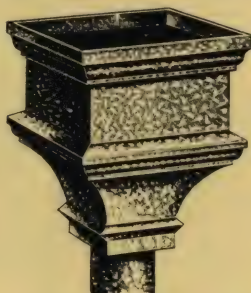
CONDUCTOR HEADS

Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper



No. 1	Outlet	Face	Depth	Height
	2"x3"	11"	6 1/4"	10"
	3"x4"	12"	7 3/4"	11"

List, \$3.00



No. 2	Outlet	Face	Depth	Height
	3"	12"	7 1/2"	13"
	4"	13"	8 1/2"	14"

List, \$4.50



No. 3	Outlet	Face	Depth	Height
	2"x3"	11"	6 3/4"	10"
	3"x4"	12"	7 3/4"	11"

List, \$3.50



No. 4	Outlet	Face	Depth	Height
	3"	12"	7 1/2"	13 1/2"
	4"	13"	8 1/2"	14 1/2"

List, \$6.00



No. 5	Outlet	Face	Depth	Height
	2"x3"	13"	7 1/2"	11"
	3"x4"	14"	8 1/2"	12"

List, \$3.50



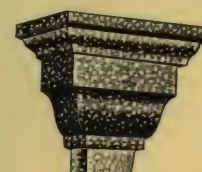
No. 7	Outlet	Face	Depth	Height
	2"x3"	13"	7 1/2"	11"
	3"x4"	14"	8 1/2"	12"

List, \$3.75



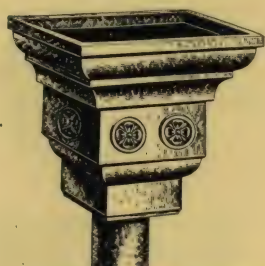
No. 9	Outlet	Face	Depth	Height
	3"	12"	7 1/2"	10"
	4"	13"	8"	10 1/2"

List, \$3.00



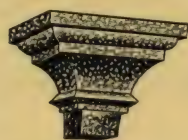
No. 11	Outlet	Face	Depth	Height
	2"x3"	11"	7"	8 1/2"
	3"x4"	12"	8"	9 1/2"

List, \$3.00



No. 12	Outlet	Face	Depth	Height
	3"	12"	7 1/2"	11"
	4"	13"	8 1/2"	12"

List, \$4.50

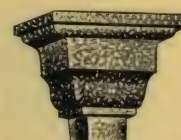


No. 13	Outlet	Face	Depth	Height
	2"x3"	10"	6 1/2"	7"
	3"x4"	11"	7 1/2"	7"

List, \$3.00



No. 14	Outlet	Face	Depth	Height
	2"x3"	10 1/4"	6 1/4"	8 1/2"
	3"x4"	11 1/4"	7 1/4"	8 1/2"



No. 15	Outlet	Face	Depth	Height
	2"x3"	10"	6 1/2"	8"
	3"x4"	11"	7 1/2"	8"

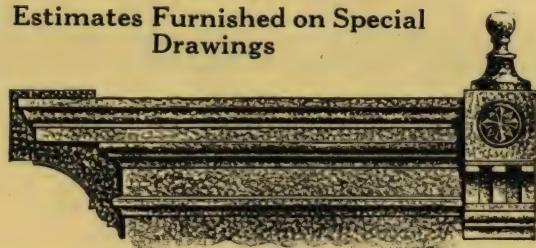
List, \$2.50

NOTE—All Heads we illustrate can be made with round or square outlets. The dimensions stated are based on 3" and 4" round, 2" x 3" and 3" x 4" square outlets. When ordering always state size and style of outlet wanted.

Note—All Conductor Heads Are Made to Order Only and Are Not Returnable.

CORNICES

Estimates Furnished on Special Drawings



When Ordering State Height and Projection.

No. 915 Gable Finial

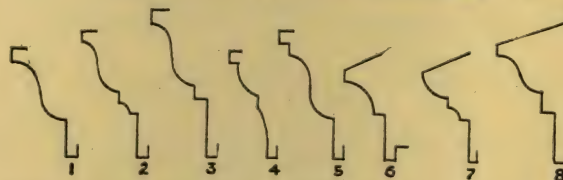
Three Sizes



Made From Copper Alloy Ternes. Galvanized After Formed.
Made to fit 1 1/4, 1 1/2 and 2-inch Ridge Roll. Specify size when ordering.

Length, 10 inches, height, 8 inches.

Galvanized Crown Mouldings



Style, No.	1	2	3	4	5	6	7	8
Inches High	10	12	13	10	12	10 1/2	10 1/2	14
Projection	5	7	6 1/2	4 1/2	6	5 1/4	4 1/4	6
Girth	16	19	20	15	18	21	19	26
List Per Foot	\$0.32	\$0.38	\$0.40	\$0.30	\$0.36	\$0.42	\$0.38	\$0.52

No. 5 Globe Finial

The base is so constructed that this Finial will fit either 1 1/2 inch or 2-inch ridge roll. A very attractive but economical Ridge Ornament.



"B"

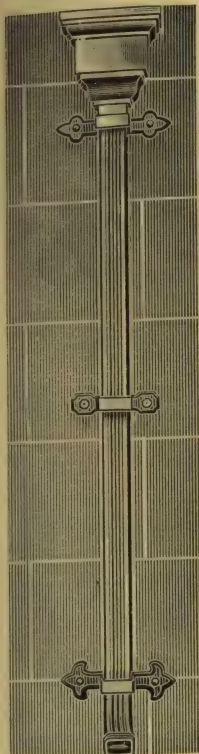
ORNAMENTAL CONDUCTOR STRAPS

•BB•

The "RIVAL"

"FITRITE"

Made in Copper and Zinc



Style D

GALVANIZED STEEL, "ARMCO"
INGOT IRON, "TONCAN" METAL
AND COPPER

To fit conductor pipe of the following
sizes:

List Prices Each

	2x3	3x4	4x5	5x6
Style A....	\$1.20	\$1.20	\$1.30	\$1.40
B....	.80	.80	.90	1.00
C....	1.20	1.20	1.30	1.40
D....	.80	.80	.90	1.00
E....	2.50	2.75		

Note—Made to Order Only and Not
Returnable

Style D (the illustration at the top)
is 5 1/4" long, 3 1/4" wide.

Style F (the illustration in center)
is 3 1/2" long, 2 1/2" wide.

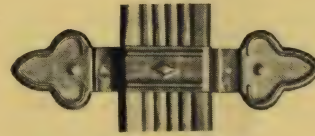
Style B (the illustration at bottom)
is 5" long, 4 5/8" wide.



Style F



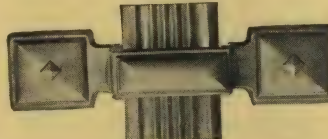
Style B



"Rival" Style "A"



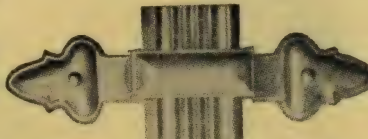
"Fitrite" Style "H" (High)
3/8" Flange (Zinc only)



"Rival" Style "B"



"Fitrite" Style "L" (Low)



"Rival" Style "C"



"Fitrite" Style "L" (Low)
Used on Round

PERFECTION EXTENSION LADDER

"A ONE MAN LADDER"

The Strongest, Safest and Lightest Ladder Made—
Averaging two pounds to the foot.

This Ladder is positively the best and safest extension ladder on the market. The sides are made of straight grain white spruce, rungs hand shaved and turned white oak, catch irons of malleable iron galvanized, bottom guides of malleable iron, top guides of hand forged wrought iron.

One endless rope operates it.

Rope can be changed to either side.

No rope or fixtures in the way.

Rope can be instantly detached for dis-
connection of ladder.

No complicated parts to get out of order.

Easy and absolutely sure to operate.

The catch irons have unlimited strength
and durability.

Can be instantly taken apart and used as
single ladders when desired.

Both sections equal lengths and extended
length is two feet less than the total.

DIMENSIONS

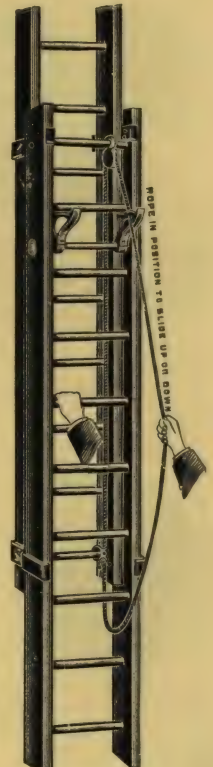
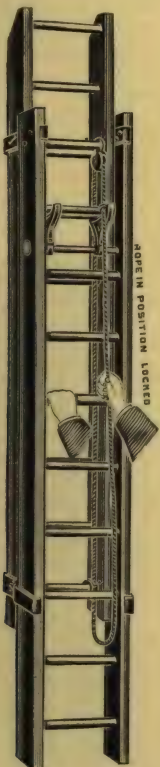
Side 1 3/8 x 3 inches.

Rungs 1 1/8 inch—Rise 12 inches.

Extreme width, 19 1/2 inches.

Made in

Lengths 20, 24, 28, 30, 32, 36 and 40 feet.



VENTILATORS

Earle Ventilator



Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper

List Price Each Galvanized

5 inch.....	\$2.50
5 1/2 inch.....	2.85
6 inch.....	3.40
7 inch.....	4.00
8 inch.....	4.65
9 inch.....	5.20
10 inch.....	5.75
12 inch.....	6.75
14 inch.....	13.00
16 inch.....	20.00
18 inch.....	27.00
20 inch.....	33.00
24 inch.....	40.00
30 inch.....	65.00
36 inch.....	90.00

Hercules Ventilator

Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper



In designing this Ventilator we have eliminated all unnecessary "frills," etc., which are useless, with a view to furnishing a good looking Ventilator at a low price. The construction gives a maximum expulsion of air, and we do not hesitate to state that it is the equal of any stationary ventilator on the market.



PRICE LIST—GALVANIZED STEEL

Inches	4	5	5 1/2	6	7	8	9	10	12	14
Each	\$1.75	\$2.50	\$2.85	\$3.40	\$4.00	\$4.65	\$5.20	\$5.75	\$6.75	\$13.00
Inches	16	18	20	24	30	36	40	48	60	
Each	\$20.00	\$27.00	\$33.00	\$40.00	\$65.00	\$120.00	\$180.00	\$240.00	\$360.00	

Price of "Armco" Ingot Iron, "Toncan" Metal or Copper on Application.

"Star" Ventilators

New Standard "Star" Ventilator



Sectional View

The New Standard "Star" Ventilator needs no introduction. It has been on the market several years and has always given entire satisfaction.

New Fire Retarding "Star" Ventilator With Patented Gravity Damper



Open

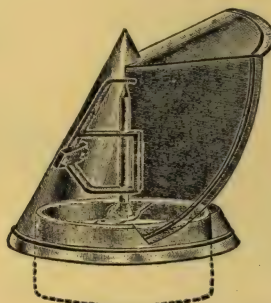
The Fire Retarding Damper of this Ventilator is operated by a lever movement, controlled by a chain with fusible link.

In case of fire the link parts and the damper drops by gravity, closes the opening and shuts off the draft entirely.

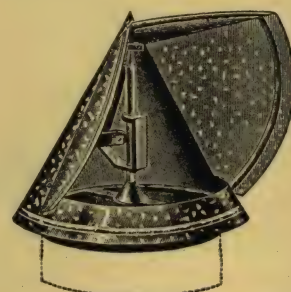
The Damper can, at any moment, be regulated by simply pulling the chain.

New Rotable Standard Ventilator

HAS A SENSITIVE BEARING



Patented



One of the most durable and efficient ventilators on the market. Has a sensitive bearing not affected by heat or cold and never requires lubrication.

GALVANIZED INGOT IRON

Sizes, Inches	4	5	6	7	8	9	10
Price, each..	\$2.20	\$2.40	\$2.60	\$2.80	\$3.20	\$3.50	\$4.20
Sizes, inches.	12	14	16	18	20	24	
Price, each..	\$5.40	\$9.50	\$14.00	\$18.00	\$23.50	\$28.80	

COPPER QUOTED UPON APPLICATION. LARGER SIZES MADE TO ORDER

"Royal" Ventilators

Absolutely Waterproof
ROYAL FACTS

Double Cones.
Scientifically Constructed Deflectors.
Pointed Bottom Cones.
Patented Radiating Ribs.

These features combined with many others make this Ventilator one of the best on the market.

Furnished with either glass or metal top.



LIST PRICE EACH GALVANIZED

Inches	2	4	5	6	7	8	9	10	12	13
Price	\$1.00	\$1.75	\$2.50	\$3.40	\$4.00	\$4.65	\$5.25	\$5.75	\$6.75	\$10.00
Inches	14	15	16	18	20	22	24	26		
Price	\$13.00	\$16.00	\$20.00	\$27.00	\$33.00	\$36.00	\$40.00	\$50.00		
Inches	28	30	32	34	36	40	42	48		
Price	\$56.00	\$65.00	\$80.00	\$100.00	\$120.00	\$180.00	\$190.00	\$240.00		

Also Larger Sizes—Made of Galvanized Steel, "Armco" Ingot Iron, "Toncan" Metal and Copper.



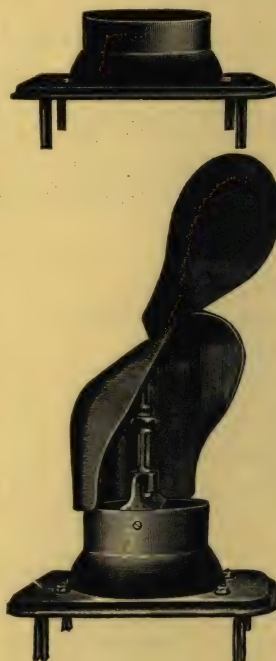
UNO

Revolving Ventilator

Galvanized Iron (Painted)

MADE IN BRASS, COPPER OR GALVANIZED IRON (Painted)

These Ventilators are designed to meet the demand for a good Revolving Ventilator at a reasonable cost. They consist of a cylinder with malleable braces or arms in which revolves a head or fan attached to a steel spindle on hardened and adjusted steel bearings (in oil) making them perfectly noiseless and without friction. Illustration shows the general appearance of sizes from 7 inch to 15 inch. Sizes up to 6 inch are furnished without braces.



The "Best" Chimney Cap

No. 10 for Chimneys
1 1/2 x 2 Brick, Flues 4x8 inches
2 x 2 Brick, Flues 8x8 inches
Collar for 7 inch Pipe

No. 10 1/2 for Chimneys
1 1/2 x 2 Brick, Flues 4x 8 inches
2 x 2 Brick, Flues 8x 8 inches
1 1/2 x 2 1/2 Brick, Flues 4x12 inches
2 x 2 1/2 Brick, Flues 8x12 inches
Collars for 8 inch pipe

The "Best" Revolving Chimney Cap

Is all made of cast iron, except the vane, which is made of steel being fitted with perfectly adjusted ball bearings above and below, to take the side thrust. The slightest breeze turns the back of the hood to the wind and causes a suction at the opening which draws the smoke out, thus making a strong draft for the chimney. Absolutely prevents the rain from beating into the chimney, running down and discoloring the walls inside. It is practically indestructible and will last for years.

No. 1 for Chimneys
1 1/2 x 2 Brick, Flues 4x8 inches
2 x 2 Brick, Flues 8x8 inches

No. 1 1/2 for Chimneys
1 1/2 x 2 Brick, Flues 4x 8 inches
2 x 2 Brick, Flues 8x 8 inches
1 1/2 x 2 1/2 Brick, Flues 4x12 inches
2 x 2 1/2 Brick, Flues 8x12 inches

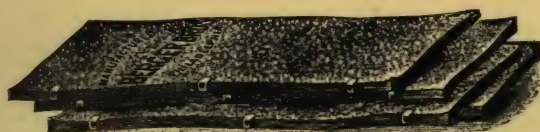


Galvanized Hoods or Caps

List Price Per Dozen Galvanized

Inches.	4	5	6	7	8	9	10	12
Price..	\$9.25	\$9.25	\$11.10	\$14.80	\$18.50	\$28.00	\$33.30	\$37.00

Galvanized Open Hearth Steel Sheets



We carry a complete stock of the best quality sheets in all the standard sizes and gauges and are always in a position to make prompt shipments from store.

We also make mill shipments on quantity orders, thereby giving our customers the benefit of the freight allowance.

Average Weights of Galvanized Sheets, Standard Sizes
Per Sheet and Per Bundle in Pounds

Gauges	16				18				20				22				24			
Size of Sheet	Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets	
24x96	42.5	170	4		34.5	138	4		26.5	159	6		22.5	157	7		18.5	148	8	
28x96	49.6	149	3		40.9	155	5		30.9	155	5		26.3	158	6		21.6	151	7	
30x96	53.1	159	3		43.1	173	4		33.1	166	5		28.1	141	5		23.1	162	7	
36x96	63.8	128	2		51.8	155	3		39.8	159	4		33.8	169	5		27.8	167	6	

Gauges	26				27				28				29				30			
Size of Sheet	Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets	
24x96	14.5	145	10		13.5	149	11		12.5	150	12		11.5	150	13		10.5	158	15	
28x96	16.9	152	9		15.8	158	10		14.6	146	10		13.4	148	11		12.3	147	12	
30x96	18.1	145	8		16.9	152	9		15.6	156	10		14.3	144	10		13.1	144	11	
36x96	21.8	152	7		20.3	162	8		18.8	150	8		17.2	155	9		15.8	158	10	

Please Note

In order to avoid errors and unnecessary delays, we request that customers, when ordering galvanized or black sheets, distinctly specify STEEL, "ARMCO" INGOT IRON or "TONCAN" METAL, as the case may be.

At the present time we find some customers ordering galvanized iron when in reality they want galvanized steel, which causes no end of confusion.

Iron is now being used extensively and, as we carry both steel and iron in stock, it will materially assist us in the execution of your orders, if you will plainly state just which you want.

ARMCO INGOT IRON

Confidence—Built on Service



"ARMCO" INGOT IRON is a long-lasting sheet metal that you can depend upon. Its durability has been proved by the longest established record of actual service of all low-cost brands of iron and steel sheets.

This uniform sheet metal was the first low-cost iron made especially to resist the general wasting action of rust. It is a long-lasting metal in itself; but when given the extra protection of a full-weight galvanized coating, it becomes even more durable.

"ARMCO" INGOT IRON forms easily and quickly. Its careful refinement makes it uniformly soft and workable, free from irregular hard spots that interfere with accurate forming to intricate designs. Solder applied to galvanized "ARMCO" INGOT IRON takes firm anchorage. With but little preparation the solder will form a strong bond with the parts to be joined. Another advantage of the uniform refinement of Ingot Iron is its excellent welding properties. It melts evenly under welding temperatures and makes a sound flawless weld that is as strong and durable as the surrounding area.

We carry a large stock of hot rolled and galvanized "ARMCO" INGOT IRON at all times. All standard sizes in gauges ranging from 10 to 28 inclusive.

Open Hearth Black Sheets

One Pass, Cold Rolled, Box Annealed



Standard Sizes and Gauges Carried in Stock
Prompt Shipments From Mill

Open Hearth, Uniform Color Blued Steel Sheets

(For Stove Pipe)



Clean—Smooth—Uniform Color
Standard Sizes and Gauges Always in Stock
Prompt Shipments From Mill

Average Weights of Black Sheets, Standard Sizes
Per Sheet and Per Bundle in Pounds

Gauges	16				18				20				22				24			
Size of Sheet	Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets	
24x96	40.00	160	4		32.00	160	5		24.00	144	6		20.00	140	7		16.00	144	9	
28x96	46.67	140	3		37.33	149	4		28.00	140	5		23.33	140	6		18.67	149	8	
30x96	50.00	150	3		40.00	160	4		30.00	150	5		25.00	150	6		20.00	140	7	
36x96	60.00	120	2		48.00	144	3		36.00	144	4		30.00	150	5		24.00	144	6	

Gauges	26				27				28				29				30			
Size of Sheet	Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets		Wt. per Sheet	Wt. per Bundle	No. Sheets	
24x96	12.00	144	12		11.00	143	13		10.00	150	15		9.00	144	16		8.00	144	18	
28x96	14.00	154	11		12.83	154	12		11.67	152	13		10.50	147	14		9.33	149	16	
30x96	15.00	150	10		13.75	151	11		12.50	150	12		11.25	146	13		10.00	150	15	
36x96	18.00	144	8		16.50	148	9		15.00	150	10		13.50	148	11		12.00	144	12	

"Toncan" Metal



"TONCAN" IRON is a scientifically refined open hearth iron with which copper and molybdenum are alloyed in the correct proportion. Of all ferrous metals in its price class, it is most highly resistant to rust.

"TONCAN" IRON is also rust-resistant because it is chemically uniform. It is one of the most ductile of materials. It is remarkably soft. It forms easily. Unlike other ferrous materials, cold working—such as bending, punching, stamping, drawing, etc.—has practically no effect upon the rust-resistance of "TONCAN" IRON. This means that seams and sheared edges are as rust-resistant as unworked portions. "TONCAN" IRON welds easily by any of the accepted methods.

Costs Less Per Year of Service

Because of its longer service life, it has been found to cost far less per year of service. It is insurance against early sheet failures and frequent costly replacements. This modern alloy iron is used extensively for such applications as ducts for air-conditioning, heating and ventilating, skylights, tanks, troughs, conductor pipe, roofing and siding, smoke pipe, coping, cornices, gutters, wall flashing, valleys, ridge roll, ventilators, doors and window frames. It is particularly effective in salt water atmosphere, and in service where corrosion is ordinarily severe.

For your protection, every sheet is stenciled with the "TONCAN" IRON trademark in green. "TONCAN" IRON is available in a wide variety of sizes and gauges.

**Corrugated Sheets, Steel, "Armco" Ingot Iron and "Toncan" Metal
PAINTED OR GALVANIZED**

We desire to call your attention to the following illustrations of Corrugated Sheet Iron for Roofs, Sides, Ceilings and Partitions for fireproof buildings.



Corrugations one and one-quarter inches from centre to centre, and three-eighths of an inch deep. This is used mostly for Ceilings, Sidings and Partitions. Sheets when corrugated measure 25 inches wide and will cover 24 inches from centre to centre of outside corrugations.

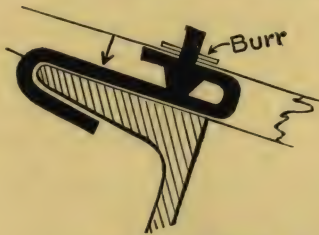


Corrugations two and one-half inches from centre to centre, and five-eighths of an inch deep. This style is suitable for Roofing, Siding, Partitions, Curved Ceilings and Awnings. Sheets when corrugated measure 26 inches wide, and will cover 24 inches from centre to centre outside of corrugations.

Corrugated Sheets, 5, 6, 7, 8, 9, 10, 11 and 12 feet in length. In any gauge from Nos. 16 to 28 inclusive.

NOTE—11 and 12 feet lengths take a small extra.

Corrugated Roofing, 27 1/2 Inches Wide, Also Furnished.

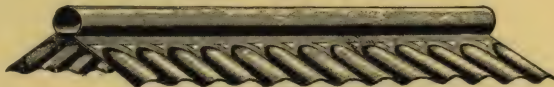


B. B. Roofing Clips

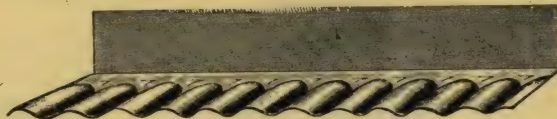
For fastening corrugated roofing to angles and purlins. Save time and money and make a much better job than straps.

Heavily galvanized.

Two Inch Roll, Corrugated Ridge Roll
To Fit 1 1/4 and 2 1/4 Inch Corrugations



Corrugated End and Side Wall Flashing
Cut Illustrates End Wall Flashing



Galvanized Lead Washers

Full Size



No. 1
(3-32 in. hole)

Full Size



No. 2
(1/4 in. hole)

One Pound
contains over
300 Washers



Actual Size
of Washer
and Nail

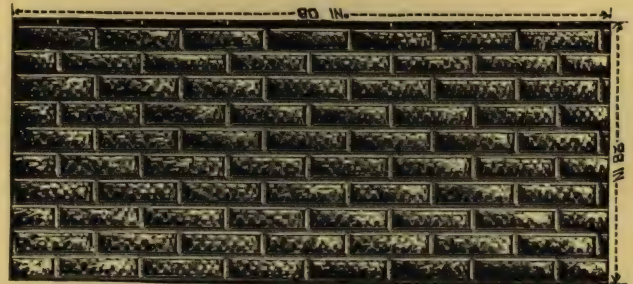
The illustration shows the application of Lead Washers to corrugated iron roofing and siding. The advantage in using same is that it makes an absolutely water-tight joint, prevents leaking and rusting at the nail hole, thereby prolonging the life of a roof. About one pound of these Washers are required to lay three squares of corrugated roofing.

About one pound of 1 1/2 inch barbed roofing nails are required to lay one square of corrugated roofing.

Pressed Steel "Armco" Ingot Iron and "Toncan" Metal Brick Siding



Rock Face Brick Siding
STEEL, "ARMCO" INGOT IRON AND "TONCAN" METAL



Furnished Painted and Galvanized

In beauty of appearance, durability, cheapness and as a protection against fire, we claim this Siding has no equal.

Manufactured of the best material and shipped in sheets of 28x60 inches containing 11 1/2 square feet to the sheet.

A square of Brick Siding consists of 8 4/7 sheets, 60 inches long by 28 inches wide; painted, will weigh 70 pounds. Galvanized, 85 pounds.



Roll Roofing

GALVANIZED OR PAINTED

Made of Best Quality Soft Steel, "Armco" Ingot Iron or "Toncan" Metal

One roll will cover 100 square feet of surface. The above always furnished without cleats unless they are ordered.

Wire Slating Nails

2, 3, 4 and 6d. in 100-pound kegs

B. B. Special Galvanized Slaters' Nails

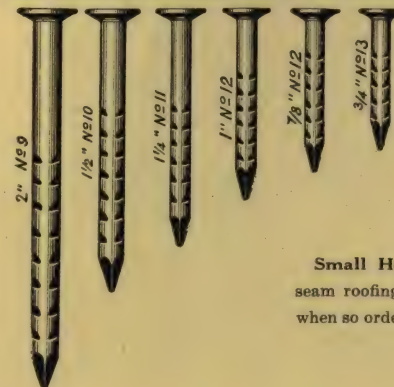
Needle Point

More nails to the pound. Easier driven and less slate breakage.



Clinch Nails

For fastening corrugated sheets to iron purlins or iron framework. Made of No. 9 wire, galvanized in lengths from 3 to 14 inches.



Barbed Roofing Nails

Full Size Illustration

- 3/4 inch, No. 13 wire...
- 7/8 inch, No. 12 wire...
- 1 inch, No. 12 wire...
- 1 1/4 inch, No. 11 wire...
- 1 1/2 inch, No. 10 wire...
- 2 inch, No. 9 wire...

Small Head Barbed Roofing Nails for flat seam roofing furnished in 3/4, 7/8 and 1 inch sizes when so ordered.

Copper Bearing Open Hearth Roofing Plates



In Boxes. 20x28 Inches and 14x20 Inches

B. B. Old Style—A strictly high-grade steel plate of finest quality. Made in the old style way. Carries 40 lbs. coating. Demand always increasing. Every sheet stamped with pounds coating and re-squared. Do not confuse with B. B. Old Method.

M-F Roofing Tin—32 pounds coating. The oldest of old style methods. Made today just as it was nearly a century ago. If properly laid and carefully painted, an M-F roof will last a life-time. Every sheet stamped with pounds coating and re-squared.

Westmont Old Style—A steel plate of fine quality, combining all the features of a high-grade plate. Carries 30 lbs. coating. Every sheet stamped with pounds coating and re-squared.

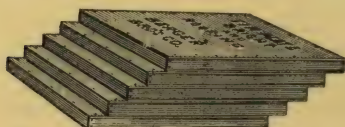
Wyncote Old Method—An extremely popular brand of steel plate, which also has the Old Method finish. Carries 25 lbs. coating. Every sheet stamped with pounds coating and re-squared.

Newark Old Style—Another of our very popular brands. This is a steel plate, also made in the old style way and carries 20 lbs. coating. Once used, always used. Every sheet stamped with pounds coating and re-squared.

Camden Old Style—This steel plate has been rapidly winning itself into favor. It is a happy medium between the best and the cheapest. Being a very good article it compares favorably with the higher grades. Carries 15 lbs. coating and gives entire satisfaction. Every sheet stamped with pounds coating and re-squared.

Follansbee Forge—40 lb. Long Terne Sheets put up in rolls have distinct advantages over the shorter sheets. Each sheet being 8 feet long, there are far less seams to withstand expansion and contraction and they are more quickly adapted for use in the forming of valleys, etc. They will save you time and money.

Bright Tin Plates



COKE AND CHARCOAL VARIOUS GRADES AND THICKNESSES

Regular Sizes: 14x20 Inches, 20x28 Inches

Odd sizes carried in stock as follows:

20x23 inches for 7-inch round pipe
20x26½ inches for 8-inch round pipe
20x29½ inches for 9-inch round pipe
20x32½ inches for 10-inch round pipe
20x39½ inches for 12-inch round pipe
Other Sizes From Mill



Ready Roll Continuous Tin Roofing None Better

We furnish all of our grades of roofing plates in rolls.

This tin is re-squared and put together by men who are paid by the week and not by the roll. This insures each seam being thoroughly soldered and the rolls well painted.

Every roll guaranteed to give perfect satisfaction. Furnished in 14, 20 and 28-inch widths.

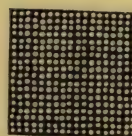
Painted Both Sides at a Small Extra Cost

Fire Door Tin

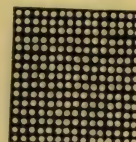
In Boxes 14x20 Inches, Carrying 20 Pounds Coating to Meet Fire Underwriters' Specifications

Perforated Tin

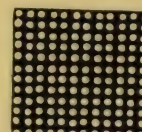
Made of Full Weight Bright Plates, Sheets 14x20



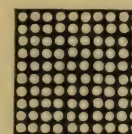
1



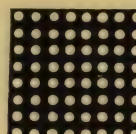
2



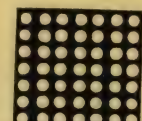
3



4



5



6

Numbers.....	1	2	3	4	5	6
Perforations per lineal inch...	18	15	12	9	7½	7

Sheet Zinc

Leading Sizes. Lowest Market Prices Per Pound
Schedule of Weight Per Sheet

U. S. Standard Gauge No.	26	25	24	23	21	20	19	18	16
M. & H. Zinc Gauge No.	9	10	11	12	14	15	16	17	19
24x84.....	9.4	10.5	12.6	14.7	18.9	21.0	23.5	26.2	31.5
26x84.....	10.2	11.4	13.7	16.0	20.5	22.8	25.6	28.4	34.2
28x84.....	10.9	12.2	14.7	17.1	22.0	24.5	27.4	30.5	36.7
30x84.....	11.8	13.2	15.8	18.4	23.6	26.2	29.4	32.8	39.4
32x84.....	12.6	14.1	16.9	19.7	25.3	28.3	31.4	35.0	42.0
34x84.....	13.4	15.0	18.0	20.9	26.9	29.9	33.4	37.2	44.8
36x84.....	14.1	15.8	18.9	22.0	28.4	31.5	35.3	39.3	47.2
40x84.....	15.7	17.6	21.0	24.6	31.6	35.1	39.3	43.8	52.6
44x84.....	17.2	19.3	23.1	27.0	34.7	38.6	43.2	48.1	57.8
48x84.....	18.8	21.0	25.2	29.1	37.8	42.0	47.0	52.4	63.0
52x84.....	20.4	22.8	27.4	31.9	41.0	45.1	50.6	56.9	68.4

We can also furnish from Stock No. 9—36"x96"
Zinc Gauge can be maintained only approximately

Crimped Copper and Zinc Regular Cornice Crimp

We maintain our own crimping machine and are prepared to crimp sheets on short notice.

Sheet Lead

Approximate thickness.	1/64	1/43	1/32	1/25	3/64	1/16	5/64	3/32	1/8	1/4	in.
Weight per square foot..	1	1½	2	2½	3	4	5	6	8	16	lbs.

Sheet Copper for Roofing

Sheet Copper is the ideal roofing material. Because it cannot rust, and because of the absolute protection it affords under all types of weather conditions, it is also an economical material.

It does not require painting or protective treatment; the first cost is the only cost involved. For these reasons, the ideal roof is one in which copper is used throughout.

However, where the preference of the home owner or style of architecture dictates roofs of other materials—such as slate, shingles, or composition shingles, clay or cement tile—Sheet Copper also plays an important part.

Flashings, valleys, ridges, cornices, gutters, eaves troughs and conductor pipes should be constructed of Sheet Copper to insure maximum protection against weather.

Soft Copper (Roofing Temper)

Soft or (Roofing Temper) Copper should be used for roofing purposes and all flashings regardless of type. This type of copper is particularly suitable for these uses inasmuch as it is easily worked and shaped and stands up well under temperature stresses. There is no place in flashing—or counter flashing—where soft sheets will not serve better than hard copper. The latter does not lend itself so readily to shaping on the job.

Hard Copper (Cornice Temper)

The material of all shaped gutters, eaves troughs, drips, water-bars, leaders, cornices, etc., should be hard (cornice temper) copper. Its stiffness is necessary to maintain the shape, especially against ice and snow loads. As most shapes are of mill manufacture, the process is such that the chance of fracture at the bends is minimized. All manufacturers of gutters, leaders, etc., make them of hard (cornice temper) copper because experiment and experience have proved the practicability of this.

Sheet Copper

We are headquarters for Sheet Copper of every description, and carry, at all times, a very large stock of all regular sizes and gauges, and are prepared to ship odd sizes from mill promptly.

We have installed in our plant a crimping machine and can crimp sheets for cornice work on short notice.

Thickness Inches	Eng. Stbs.	Amr. B-S.	Lbs. per sq. ft.	Ozs. per sq. ft.	24x48 per sht.	30x60 per sht.	48x72 per sht.
.300	1	..	13.80	221	111	173	332
.289	..	1	13.29	213	107	166	320
.284	2	..	13.06	209	105	163	314
.259	3	..	11.91	191	96	140	287
1/4—.258	..	2	11.87	190	95	149	285

Sheet Copper—Continued

Thickness Inches	Eng. Stbs.	Amr. B-S.	Lbs. per sq. ft.	Ozs. per sq. ft.	24x48 per sht.	30x60 per sht.	48x72 per sht.
.238	4	..	10.95	175	88	137	263
.229	..	3	10.53	168	84	131	252
.220	5	..	10.12	162	81	127	243
.204	..	4	9.38	150	75	117	225
1/5—.203	6	..	9.34	149	75	117	224
.182	..	5	8.37	134	67	105	200
.180	7	..	8.28	132	66	104	198
1/6—.165	8	..	7.60	121	61	95	182
.162	..	6	7.45	119	60	93	179
.148	9	..	6.81	109	55	85	164
.144	..	7	6.62	106	53	83	159
.134	10	..	6.16	99	50	77	149
1/8—.128	..	8	5.89	94	47	74	141
.120	11	..	5.52	88	44	69	132
.114	..	9	5.24	84	42	66	126
.109	12	..	5.01	80	40	63	120
1/10—.102	..	10	4.69	75	38	59	113
.095	13	..	4.37	70	35	55	105
.091	..	11	4.19	67	34	52	101
1/12—.083	14	..	3.82	61	31	48	92
.081	..	12	3.73	60	30	47	90
.072	15	13	3.31	53	27	41	80
1/16—.065	16	..	2.99	48	24	37	72
.064	..	14	2.95	47	24	37	71
.058	17	..	2.67	43	22	33	65
.057	..	15	2.62	42	21	33	63
.051	..	16	2.35	38	19	29	57
.049	18	..	2.25	36	18	28	54
.045	..	17	2.07	33	17	26	51
.042	19	..	1.93	31	16	24	48
.040	..	18	1.84	29	15	23	45
.036	..	19	1.66	27	14	21	42
.035	20	..	1.61	26	13	20	39
1/32—.032	21	20	1.47	24	12	18	36
.028	22	21	1.29	21	11	16	33
.025	23	22	1.15	18	9	14	27
.023	..	23	1.06	17	9	13	26
.022	24	..	1.00	16	8	12.5	24
.020	25	24	.92	15	7.5	11.5	22.5
.018	26	25	.83	13	6.5	10.3	19.5
1/64—.016	27	26	.74	12	6	9.2	18
.014	28	27	.64	10	5	8	15
.013	29	28	.60	9.5	5	7.5	15
.012	30	..	.55	9	4.5	6.8	13.5
.011	..	29	.51	8	4	6.3	12
.010	31	..	.46	7	3.8	5.7	10.5
.009	32	31	.41	7	3.8	5	10.5
.008	33	32	.37	6	3	4.6	9
.007	34	33	.32	5	2.5	4	7.5
.006	..	34	.28	4	2	3.5	6
.005	35	36	.23	4	2	2.8	6
.0045	..	37	.21	3	1.5	2.6	4.5
.004	36	38	.18	2.88	1.44	2.2	4.26
.0035	..	39	.16	2.56	1.28	2.1	3.84
.003	..	40	.14	2.24	1.12	1.7	3.73

Variations in the gauge of the rolled metal must be expected in practice

Sheet Copper

Sizes 14 in. x 48 in. to 60 in. x 120 in.

Thickness by Weights Per Square Foot—Pounds Per Sheet

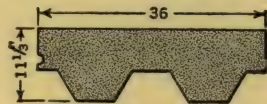
Sheet Size Inches	8 oz.	10 oz.	12 oz.	14 oz.	16 oz.	18 oz.	20 oz.	24 oz.	28 oz.	30 oz.	32 oz.	36 oz.	40 oz.	44 oz.	48 oz.
14x48.....	2.33	2.92	3.50	4.08	4.67	5.25	5.83	7.00	8.19	8.75	9.33	10.50	11.69	12.81	14.00
20x96.....	6.67	8.33	10.00	11.67	13.33	15.00	16.67	20.00	23.33	25.00	26.67	30.00	33.33	36.67	40.00
24x48.....	4.00	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	15.00	16.00	18.00	20.00	22.00	24.00
24x60.....	5.00	6.25	7.50	8.75	10.00	11.25	12.50	15.00	17.50	18.75	20.00	22.50	25.00	27.50	30.00
24x72.....	6.00	7.50	9.00	10.50	12.00	13.50	15.00	18.00	21.00	22.50	24.00	27.00	30.00	33.00	36.00
24x84.....	7.00	8.75	10.50	12.25	14.00	15.75	17.50	21.00	24.50	26.25	28.00	31.50	35.00	38.50	42.00
24x96.....	8.00	10.00	12.00	14.00	16.00	18.00	20.00	24.00	28.00	30.00	32.00	36.00	40.00	44.00	48.00
26x96.....	8.67	10.83	13.00	15.17	17.33	19.50	21.67	26.00	30.33	32.50	34.67	39.00	43.34	47.67	52.00
28x96.....	9.34	11.67	14.00	16.33	18.67	21.00	23.33	28.00	32.67	35.00	37.33	42.00	46.66	51.33	56.00
30x60.....	6.25	7.81	9.38	10.94	12.50	14.06	15.63	18.75	21.88	23.44	25.00	28.13	31.26	34.38	37.50
30x72.....	7.50	9.38	11.25	13.13	15.00	16.88	18.75	22.50	26.25	28.13	30.00	33.75	37.50	41.25	45.00
30x84.....	8.75	10.94	13.13	15.31	17.50	19.69	21.88	26.25	30.63	32.81	35.00	39.38	43.76	48.13	52.50
30x96.....	10.00	12.50	15.00	17.50	20.00	22.50	25.00	30.00	35.00	37.50	40.00	45.00	50.00	55.00	60.00
30x120.....	12.50	15.63	18.75	21.88	25.00	28.13	31.25	37.50	43.75	46.88	50.00	56.25	62.50	68.75	75.00
32x96.....	10.67	13.34	16.00	18.67	21.33	24.00	26.67	32.00	37.33	40.00	42.67	48.00	53.34	58.67	64.00
34x96.....	11.34	14.17	17.00	19.84	22.67	25.50	28.33	34.00	39.67	42.50	45.33	51.00	56.66	62.33	68.00
36x72.....	9.00	11.25	13.50	15.75	18.00	20.25	22.50	27.00	31.50	33.75	36.00	40.50	45.00	49.50	54.00
36x84.....	10.50	13.13	15.75	18.38	21.00	23.63	26.25	31.50	36.75	39.38	42.00	47.25	52.50	57.75	63.00
36x96.....	12.00	15.00	18.00	21.00	24.00	27.00	30.00	36.00	42.00	45.00	48.00	54.00	60.00	66.00	72.00
36x120.....	15.00	18.75	22.50	26.25	30.00	33.75	37.50	45.00	52.50	56.25	60.00	67.50	75.00	82.50	90.00
48x72.....	12.00	15.00	18.00	21.00	24.00	27.00	30.00	36.00	42.00	45.00	48.00	54.00	60.00	66.00	72.00
60x120.....	25.00	31.25	37.50	43.75	50.00	56.25	62.50	75.00	87.50	93.75	100.00	112.50	125.00	137.50	150.00

FLINTKOTE SHINGLES, SIDINGS AND ROOFINGS

11 1/3" Special Hexagon Strips

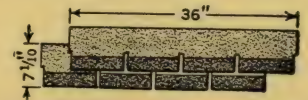
Colors: Blue-Black, Tile Red, Green, Clover Green, Buff-tone, Spring Blend, Autumn Blend.

Also in sizes 12 1/3 x 36" — 13 1/2 x 36".



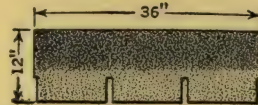
Setab Brick Siding Strips—230#

Colors: Blend Nos. 01, 02, 03, 04, 05, 07, 08, 09, 010, 011.



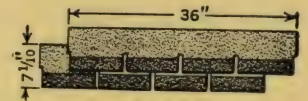
12" and 15" Thikbut Strips

Colors: Blue-Black, Tile Red, Green, Clover Green, Mottled Green, Mottled Red, Mottled Gray.



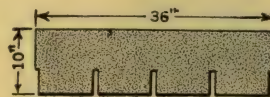
Setab Brick Siding Strips—210#

Colors: Blend Nos. 4, 5, 8, 10, 11.



10" and 12 1/2" Square Butt Strips

Colors: Blue-Black, Red, Tile Red, Green, Clover Green, Warm Blend, Kool Blend.



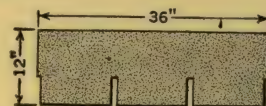
Brick Siding Corner Pieces

Colors to match all Brick Siding Strips.



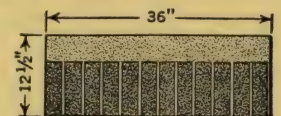
12" Giant Strips

Colors: Blue-Black, Tile Red, Green, Clover Green, Spring Blend, Autumn Blend.



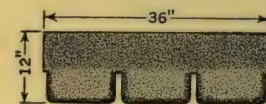
Soldier Course Siding Strips

Colors to match all Brick Siding Strips.



Standard Setab Strips

Colors: Blue-Black, Tile Red, Clover Green, Canyon Red, Canyon Green, Canyon Gray, Canyon Brown, Georgian Green.



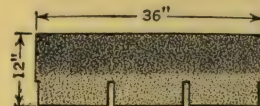
Re-Nu Siding Strips

Colors: Tile Red, Buff-tone, Lightone, Dark-tone.



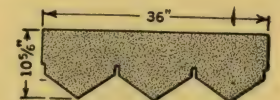
Insul-Cork Strip Shingles

Colors: Blue-Black, Tile Red, Clover Green, Mottled Red, Mottled Green.



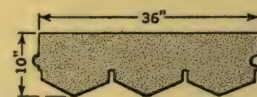
Rextab Siding Strips

Colors: Tile Red, Buff-tone, Lightone, Dark-tone.



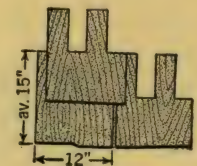
10" Rextab Strips

Colors: Blue-Black, Tile Red, Clover Green, Spring Green, Autumn Red.



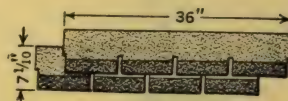
Cedartex Siding

Colors: Clover Green, Silver Gray, Heather Brown.



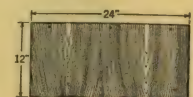
Thikbrik Siding Strips—210#

Colors: Blend Nos. 23, 24, 25, 27, 28, 210, 211.



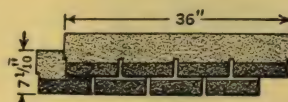
Woodgrain Asbestos Siding

Colors: Silver Gray, Rustic Brown, Colonial Green.



Thikbrik Siding Strips—175#

Colors: Blend Nos. 14, 17, 18, 110.



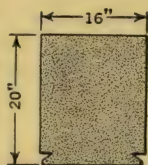
Flintlock Shingles

Colors: Blue-Black, Tile Red, Clover Green, Spring Green, Autumn Red.



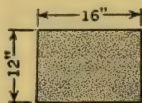
Shurlok Shingles

Colors: Tile Red, Clover Green, Kool Blend, Warm Blend.



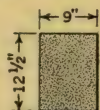
Dutch Lap Giant Shingles

Colors: Blue-Black, Tile Red, Green, Clover Green, Antique Brown, Weathered Brown, Green Blend, Red Blend. Dutch Lap Clips Furnished



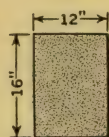
Standard Individual Shingles

Colors: Blue-Black, Tile Red, Clover Green.



Super Giant Shingles

Colors: Blue-Black, Tile Red, Green, Clover Green, Weathered Brown, Antique Brown, Green Blend, Red Blend.



Flintkote Mineral Wool Insulation

Long Fibre in 35 lb. Bags.
Granulated in 40 lb. Bags.
Bats—Sizes 15"x18" and 15"x23".

Style "D" Pitch Kettles

Non-Leakable Welded

Specially for roofers and water-proofing contractors.

Made to take care of average city roof. Inside tank welded. Guaranteed not to leak. Easily removed for cleaning. Material may be heated on way to job. No delay.

40-gallon capacity.
Weight, 200 pounds.
28 inches x 34 inches.
Closed fire bottom and door.
Made of No. 12 fire box steel.



Style "D"

Style "C" Arch Kettle

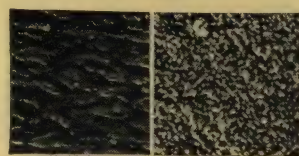


A very popular type of kettle with the general roofing contractor and used extensively on factory and operation work. Made in two sizes: 50 and 100 gallons. Made of No. 12 firebox steel and double electrically welded. Reinforced around top with heavy band.

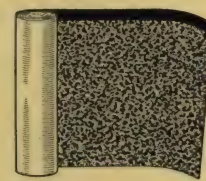
50 Gallon Size, 29"x26"x30"; Weight, 100 Lbs.

100 Gallon Size, 30"x30"x40"; Weight, 200 Lbs.

If desired, this type of kettle can be furnished riveted instead of welded.



Flintkote
Smooth Surface
Roofings



Flintkote
Mineral Surface
Roofings

Roofing Slate

Only the highest quality roofing slate carried in stock. All standard sizes.



Tarred and Slaters' Felts

Slaters' Felt

Rolls, 30 lbs., 500 square feet.

Single Ply Tarred Felt

3 Grades—12, 14, 15 Lbs.

Asphalt Felt

3 Grades—14, 15, 30 Lbs.



Red Rosin Sized Sheathing

Weatherproof Brand

No. 20, about 20 lbs. per roll, 500 square feet.

No. 40, about 40 lbs. per roll, 500 square feet.



Pitch Dippers



Capacity, One Gallon

Roofing Pitch

Our roofing pitch is the very best grade procurable.

Barrels, approximately 350 pounds.

Roofing Slag

Pitch Buckets



Made in two sizes

12x12 inches, 6 gallons
14x14 inches, 10 gallons
Made of No. 22 Box Annealed Steel.
Used by roofers as mopping and carrying buckets.

Roofers' Hoisting Block

This is a light, but at the same time, a very strong and serviceable block.

Hook, frame and pin are of forged steel and sheave of best gray iron.

Diameter of sheave, 12 inches.



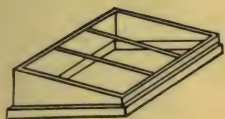
Tin Caps for Roofing

One pound contains approximately 200 Caps

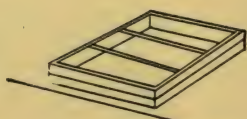
A barrel contains about 300 pounds



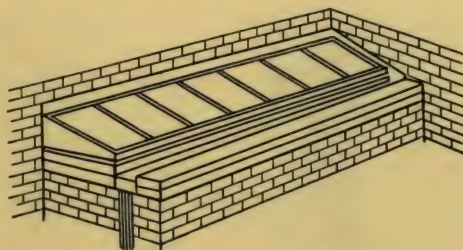
SKYLIGHTS



No. 1 Single Pitch Skylight for Level Curb

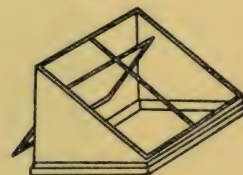


No. 1-A Single Pitch Skylight for Pitched Curb

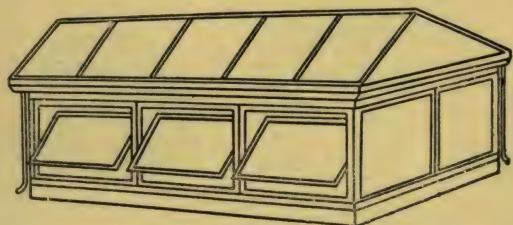


No. 2 Areaway Skylight

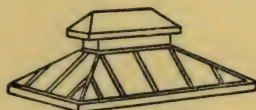
Bathroom



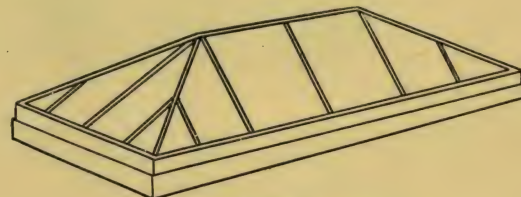
No. 3 Single Pitch Skylight with Ventilating Sash



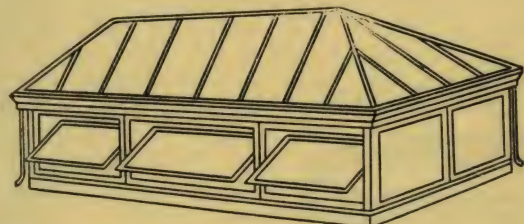
No. 5 Monitor with Double Pitch Skylight and Ventilating Sash



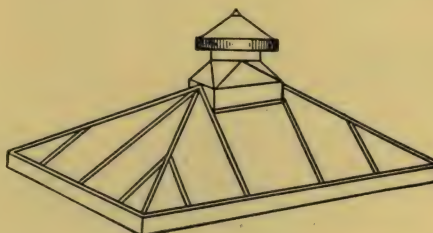
No. 7 Hip Skylight with Ridge Ventilator



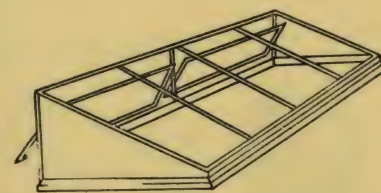
No. 6 Hip Skylight



No. 9 Monitor with Hip Skylight and Ventilating Sash



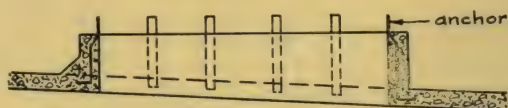
No. 8 Hip Skylight with Ventilator



No. 11 Single Pitch Skylight with Ventilating Sash



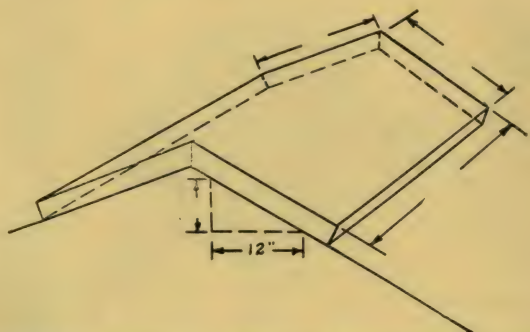
Concrete Curb with Imbedded Wood Nailing Strip



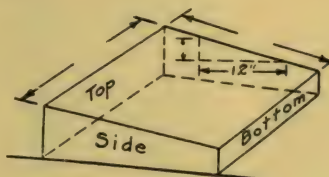
Concrete Curb with Imbedded Metal Anchor



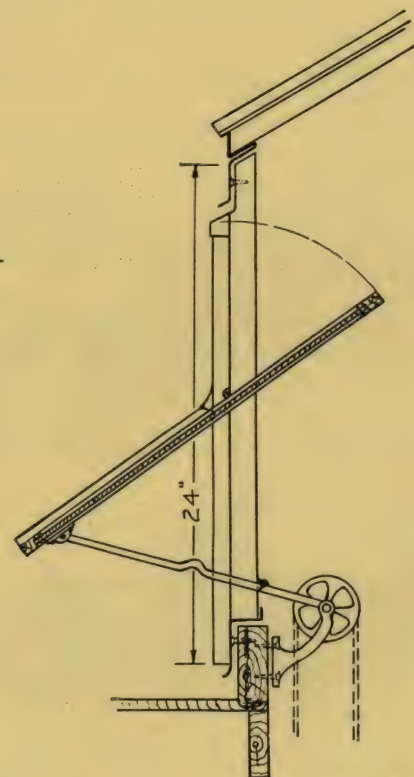
No. 12 Single Pitch Skylight Showing Method of Ventilating



Curb for Double Pitch Skylight Showing Dimension Lines



Curb for Single Pitch Skylight Showing Dimension Lines



Operating Device for Ventilating Sash

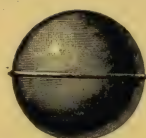
Skylight Gearing
For 1/2-Inch Pipe



	List Price
Nos. 1-2-3, Lifting Power.....	\$1.20
Nos. 4-5, Extension.....	.61
No. 6, Louvre Bracket—3 inch.....	.16
No. 7, Arm—4 1/2 inch.....	.22
No. 8, Hinge.....	.08
No. 9, Collar.....	.09
No. 10, Handle—Male.....	.13
No. 11, Pole Hook.....	.44

Zinc and Copper Balls

In Halves



Sizes..	1	1 1/2	2	2 1/2	3	3 1/2 in.
Sizes..	4	5	6	7	8	in.
Sizes..	10	12	14	15	18	in.

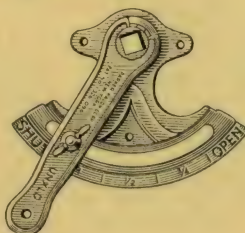
Parker "Unxld" Damper Quadrants

Cadmium Plated

Size

3/8 inch.....
1/2 inch.....
5/8 inch.....
3/4 inch.....
7/8 inch.....

5/8", 3/4", 7/8" HEAVY DUTY TYPE



Parker Damper Bearings



Are used instead of rods on small dampers. They are made to fit 3/8 inch and 1/2 inch damper quadrants.

Size

3/8 inch.....	Galvanized Per Set \$0.16
1/2 inch.....	.24

Parker Steel Sheet-Metal Screws

This screw is designed especially for sheet metal work. The thread extends over the entire length of the screw, admitting of the metal being drawn up flush with the head. Will not work loose as the screw is tapered only at the point and continues straight from the point upward.

Size

3/16 x 3/8 inch.....
1/8 x 1/2 inch.....
3/16 x 3/4 inch.....

Size

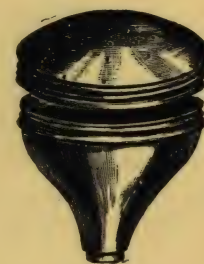
3/16 x 1 1/4 inch...
1/4 x 7/8 inch...
1/4 x 1 1/2 inch...



Zinc Roses or Sprinkler Heads

With Tin Base

No. 000, 1 7/16 inch.....
No. 00, 1 3/4 inch.....
No. 0, 2 3/16 inch.....
No. 1, 2 1/8 inch.....
No. 2, 3 5/8 inch.....
No. 3, 4 1/16 inch.....



Can Screws

(Unlined)

Per Gross	Zinc	Tin
1/2 inch.....	\$6.10	\$1.60
3/4 inch.....	7.60	1.80
1 inch.....	9.65	2.15
1 1/4 inch.....	12.15	2.65
1 1/2 inch.....	16.20	3.45
1 3/4 inch.....	20.20	4.70
2 inch.....	22.25	5.75



Brass Can Screws

(Unlined)

Per Gross		Per Gross
1/2 inch.....	\$10.10	1 1/2 inch..... \$23.70
3/4 inch.....	12.10	1 3/4 inch..... 34.20
1 inch.....	16.65	2 inch..... 38.25
1 1/4 inch.....	21.15	

Flat Zinc Can Screws



List Per Gross

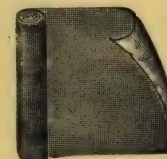
2".....	\$11.50
3".....	21.00
4".....	31.00

Brass Milk Strainer Wire Cloth

In Rolls 12 Inches Wide, 5 Feet Long

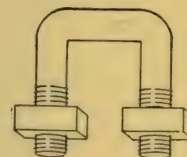
Mesh

40.....
50.....
60.....
70.....
80.....
90.....



Parker Rod Clips

This Clip enables you to fasten the rod firmly to the damper without drilling and weakening the rod. Furnished galvanized to fit 3/8, 1/2, 5/8, 3/4 and 7/8 inch square rod.



Parker Dial Regulators

Stamped Steel

Are simple, neat, clean-cut and efficient—nothing to get out of order. Made for 3/8 inch square rod.

Can be used with rod and rod clip or with damper bearings.



Warm Air Furnaces



Economical operation depends on the proper ratio of air capacity to furnace rating. Our furnace is so proportioned that the average ratio of heating surface to grate area is 25% more than standard. Heavy ribs on the firepot and combustion chamber increase heating surface and add strength. The air capacity is more than 30% in excess of the rating and the extra large radiator so splits the air stream as to force approximately 50% over the combustion chamber, further increasing the efficiency.

Durability, capacity or efficiency do not depend on the front, bottom or other minor parts of a furnace. The furnace pictured above weighs far more than the average furnace despite these minor parts being lighter because **extra weight is properly distributed in the radiator, combustion chamber, firepot and grate bars.** Its design is so structurally sound, that with proper installation and operation it will last a lifetime. The radiator is exceptionally large—one size larger than on most furnaces. Deep cut joints are provided on the ash pit, firepot and combustion chamber with the top firepot joint at the fire line sealed by a flange cast integral with the combustion chamber. The front is so constructed that it slips on in back of the raised shoulder on the ash pit and combustion chamber. Surface ground doors fit directly on the sections with no joint through which gas can leak into the air chamber.

Warm-Air Pipe

Price Per Foot

ROUND HEATER PIPE

6 inch.....	
7 inch.....	
8 inch.....	
8½ inch.....	
9 inch.....	
10 inch.....	
12 inch.....	
14 inch.....	
16 inch.....	
18 inch.....	

SQUARE HEATER PIPE

2¾ x 9 inch.....	
3½ x 8 inch.....	
3½ x 10 inch.....	
4 x 10 inch.....	
4 x 11½ inch.....	
5 x 10 inch.....	
6 x 12 inch.....	
8 x 10 inch.....	
8 x 12 inch.....	
8 x 20 inch.....	
10 x 20 inch.....	

Crating Always Charged Extra at Cost.

Air Conditioning Units



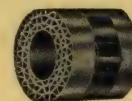
Comfortable, uniform temperature in every part of every room in the house is assured with our air circulating and cleaning unit. Instead of depending upon the natural rise of **hot air** into the rooms, this unit forces a supply of filtered, uniformly heated **warm air** into the rooms, and those that formerly were hard to heat will be warmer, healthier and more comfortable than the best heated room in the house at the present time.

Stratification—the cause of cold floors and hot ceilings—is entirely eliminated with forced airheating and conditioning.

Every 10 to 15 minutes the entire air content of the house is drawn down through the cold air return, passed through filters and given a thorough cleaning before it is rewarmed and again forced up into the rooms.

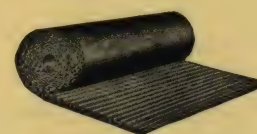
In the summer, by simply removing the back panel, the cool night air can be drawn in through the basement windows and circulated through the rooms, reducing the temperature of walls and furniture and storing cool air for daytime use.

Air-Cell Sectional Pipe Covering



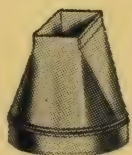
This is composed of pure asbestos paper, the corrugations are uniform, ample and very firm, the various plies are thoroughly cemented together with fireproof adhesives only, provided with exterior canvas covering of good quality, and brass lacquered metal fastening bands.

Asbestos Air-Cell Paper

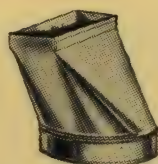


Manufactured of strictly fireproof asbestos felts with ¼ inch corrugations. Put up in rolls 3 feet wide, containing 250 square feet. Used extensively for covering furnace pipes.

Single Wall Boots



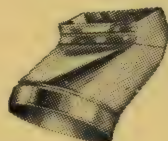
A-1 Center Boot



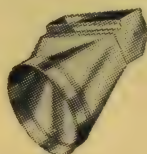
A-2 Straight Back Boot



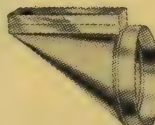
A-3 Angle Boot



A-6 Combination A-2 Boot and B-45 Elbow



A-5 Combination A-2 Boot and B-90 Angle

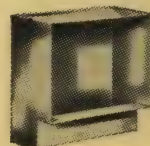


A-4 End Boot

Jusrite Wall or Stack Boots are neatly and strongly constructed. They are made to fit all standard sizes of warm air pipe and stacks, and in addition can be furnished in special sizes, when so ordered. A style is made for every purpose and does justice to a good job.

Specify number of boot when ordering.

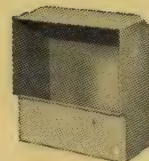
Register Boxes



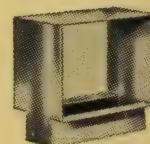
No. 1—Second Floor Single Box



No. 3—Top Single Box



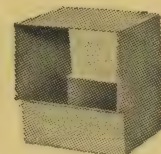
No. 5—First Floor Single Box



No. 2—Second Floor Double Box



No. 4—Top Double Box

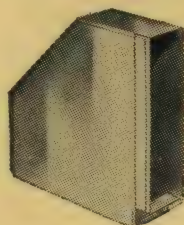


No. 6—First Floor Double Box

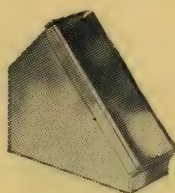
Jusrite Register Boxes are made to fit all standard warm air stacks and registers. A box is made for every room. Register boxes for any unusual condition can also be furnished.

When ordering, please order by number. State size of register to be used and also size of pipe.

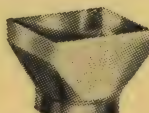
Single Wall Pipe Elbows and Angles Floor Pans and Cellar Boxes



A-90° Elbow



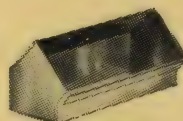
A-45° Angle



Floor Pan



B-90° Elbow



B-15° Angle

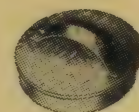


Cellar Box

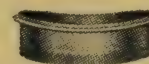
Galvanized Tees and Covers Draw Bands and Casing Collars



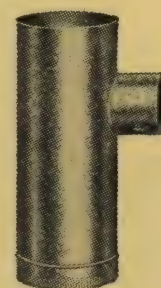
Galv. Tee 24" long with Cover



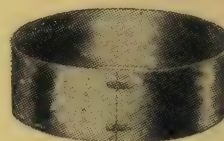
Galvanized Tee Cover



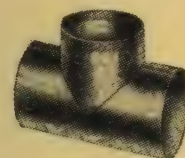
Galvanized Casing Collar



Galv. Tee with Small Outlet



Galvanized Draw Band



Galvanized Tee 15" Long

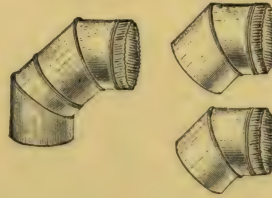
Jusrite Fittings assure every user perfect fittings and uniform joints. Carried in stock to fit all standard stacks, but can also be furnished in special sizes.

In ordering, please order by name and letter and state what size stacks they are to fit.

Jusrite Furnace Fittings include a wide variety of labor saving items, such as tee joints and casing collars. A neatly finished job is a credit to any furnace man and paves the way for future business.

These fittings are made in all standard sizes and can also be made to specifications.

Adjustable Elbows



Twin Hot-Air Elbows

The advantages in using the Twin Elbow are many. It can be adjusted to any angle required and, disconnected, can be used as two separate elbows.

Best, Handiest and Cheapest
Ask for Twin Elbows

One Piece Stove Pipe Elbows

Strongest Stove Pipe Elbow Made

This is without doubt the very finest one-piece stove pipe elbow made. Made of No. 28 gauge, even color, with full 2 1/2 inch ends.

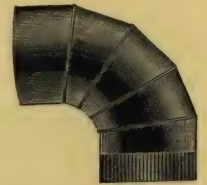


Four Piece Stove Pipe Elbow

Made of Cleaned Iron

Five Piece Adjustable Black Elbows

Made of Cleaned Iron



Common Black Stove Pipe

All Sizes Kept in Stock
NESTED STOVE PIPE

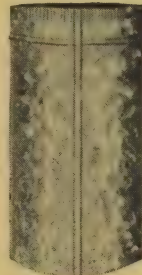
This is the most convenient way to buy stove pipe. Requires very little space to carry all the most called for sizes. Each piece formed and edged but not grooved. In cartons of 25 joints each.



Galvanized

Smoke Pipe

Manufactured in both made up and nested types. Every joint is identical, insuring a perfect fit with the adjoining length.



Madeup Pipe



Nested Pipe

The H & C Federal Damper

The stem is malleable iron, pointed, and is easily driven through the pipe. The Damper Plate is made of cold-rolled pickled steel, corrugated to stiffen it and prevent warping.

The Difference in Weight Pays the Freight.



Smoke-Pipe Damper

Smoke-Pipe Damper

Inches.....	6	7
List Price Per Dozen.....	\$1.60	\$1.60
Approx. gross per bbl.....	6	5

Heater-Pipe Damper

Inches.....	8	8 1/2	9	10	10 1/2	11	12
Per dozen.....	\$2.20	\$2.45	\$2.60	\$2.80	\$3.05	\$3.30	\$3.50
Ap. gross per bbl.....	4	4	3 1/2	3	2 1/2	2 1/2	2

American Damper



	List Price Per Doz.
3 inch.....	\$2.60
4 inch.....	2.80
4 1/2 inch.....	3.00
5 inch.....	3.00
5 1/2 inch.....	3.30
6 inch.....	3.50
7 inch.....	5.00
8 inch.....	8.00
9 inch.....	12.00
10 inch.....	15.00
12 inch.....	18.00

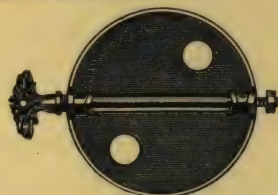
Dampers from 4 inch to 8 inch, inclusive, are made with reversible plates. The patented reversible feature provides for the Spindle being put in the plate from either side.

Plain Cast Dampers

WITH MALLEABLE ROD

Sizes		
4 inch	4 1/2 inch	5 inch
5 1/2 inch	6 inch	7 inch
8 inch	9 inch	10 inch
	12 inch	

These Dampers are gauged to a true size to fit the pipe, and will not turn in the rods.



Oval Dampers



	List Price Per Doz.
6 inch.....	\$4.00
7 inch.....	6 00
8 inch.....	9.00

Flue Stoppers

Put up in boxes of one dozen each.

Diameter, 8 1/8 in., No. 3.



Steel Damper Clip

Rivet Or No Rivet

This Steel Damper Clip has many special features other clips do not have.

It has a Steel Stem and perfect lock in blade.

The Steel Stem will not break like cast iron stems.

The No Rivet Damper Clip can be put on to sheet metal blade very quickly, thus saving time and labor.

Sold with or without tail pieces.



Showing Clip on Blade

Improved Damper Clips

Made with solid rivets and extra holes.

Made to order only.



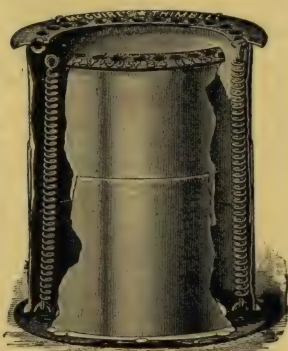
McGuire's Star Adjustable Stove Pipe Thimbles

The Original Spring-Adjustment Thimbles

THIMBLES

The cast heads are well japanned. The cylinders are made of bright tin and are securely attached to the heads.

The heads are connected by spiral steel springs whose tension adjusts them to any thickness of floor or partition.



Register and Ceiling Plates

By the use of these plates with adjustable Thimbles, the openings in the floor may be closed upon the removal of the stove pipe, or in connection with the same thimbles a perfect ventilator can be made. These plates can readily be inserted or removed as may be desired. The Register Plates are provided with dampers which can be opened or closed.

CEILING PLATE—Black Japanned



REGISTER PLATE—Black Japanned



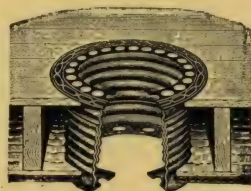
List Per Dozen

Inches.....	5	6	7	8
6 to 12 inch extension (for floors).....	\$11.00	\$12.00	\$14.00	\$17.00
4 to 8 inch extension (for walls).....	10.00	11.00	13.00	16.00
Ceiling Plates.....	3.50	4.10	4.85	
Register Plates.....		13.50	14.25	

O. K. Stove Pipe Thimble

Easily adjusted from 7½ to 12 inches. Made in two parts which screw together and adjust to any thickness of floor or partition. Made of bright tin with ends handsomely japanned.

Packed in crates, ½ dozen in crate.



List Per Dozen

Inches.....	5	6	7
6 to 12 inch extension (for floors)...	\$11.00	\$12.00	\$14.00
4 to 7½ inch extension (for walls)...	10.00	11.00	13.00



"Berbroscos" Tinner's Red Paint

An imported iron oxide containing from 85-90% pure iron used in this formula guarantees durability and color. Covers 500 sq. ft. one coat per gallon. Covers approximately 30% more surface than ordinary metal paints. Dries to handle in from six to eight hours. Sold in agitator drums, eliminating leakage and evaporation—also in 5 gallon steel pails and 1 gallon cans.

"Berbroscos" Roof Coating

This is a heavy black liquid asphalt which dries to a tough elastic coating. It is shipped ready for use and can be applied with a brush. For use on all metal work.

Furnished in 50 Gallon Drums, 1 and 5 Gallon Cans.

"Berbroscos" Asphalt Fibre Coating

"Berbroscos" Asphalt Fibre Coating is suitable for brush application. It is the same as Berbroscos Roof Coating with the addition of asphalt fibre and can be used to good advantage on old metal roofs that have developed pin holes.

50 Gallon Drums, 1 and 5 Gallon Cans.

Sherwin-Williams Roof and Bridge Paint

This paint is well known to the trade and needs no description. An excellent medium priced paint.



Roofing Paint Brushes

HAND AND POLE

Our stock of Paint Brushes includes brushes of all types, sizes and quality.

A brush to meet all requirements.



Fireline

Fireline is something distinctly new—a plastic firebrick material of industrial type perfected for domestic use. Fireline produces a hotter fire—brings about complete combustion of the fuel. The hot firebrick lining reflects and radiates the heat throughout the entire fuel bed. The result is a good hot fire around the edges of the firepot as well as in the center. Complete combustion delivers more heat from the fuel—does not form smoke or soot—reduces ash to 8 to 12% of the coal by weight. Fireline ends burned-out castings and safely repairs cracked, broken and burned-out firepots. It will withstand 3000° F. and will not crack, fuse or spall.



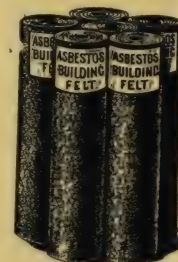
Asbestos Furnace Cement

The strongest and most durable cement in use for "setting up" and repairing broken joints in furnaces, ranges, heaters, stoves, etc. It is prepared ready for use, adheres readily and firmly to castings, tin, etc., and "sets" in a few hours. When subjected to heat, it vitrifies without shrinking or becoming porous. It is invaluable for lining furnace doors of steam boilers.

Asbestos Paper

This sheathing is manufactured from a mineral fibre, possessing the highest fireproof and non-conducting qualities, rendering it a valuable protection against fire and is extensively used for covering heater pipes and similar purposes.

Furnished in rolls 36 inches wide, graded 6, 8, 10, 14 and 16 pounds per 100 square feet, and in rolls of 50 and 100 pounds each.



B. B. Asbestos Fibre Roofing Cement

B. B. Asbestos Fibre Roofing Cement is a heavy, black composition made from a waterproof gum and asbestos fibres. It is thoroughly waterproof and pliable and will hold firmly to felt or metal roofings, cement, brick-work, wood and glass.

It is elastic and will not dry out or chip off, neither will it soften or run during warm weather. It will withstand the varying changes of temperature better than any other plastic material and may be applied under all weather conditions. Easily applied with knife or trowel.

Adheres readily to wet surfaces.



Asbestos Cold Water Paste

For Applying Asbestos Paper, Etc.

Can instantly be prepared by adding cold water. Requires no boiling.

Corner Bead

For Plaster Corner

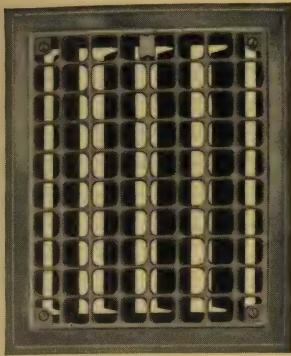
Length—6, 7, 8, 9 and 10 feet, galvanized.

This Bead is double, it makes a first-class clinch and is easy to put on. None better on the market.

State length and depth of ground wanted.

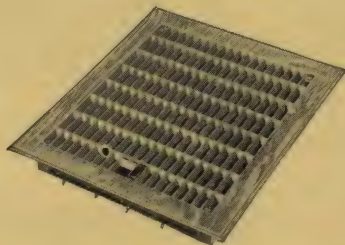


No. 200 Register



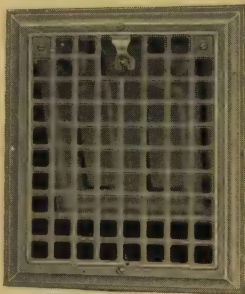
This Register is not only unequalled in air capacity, but is also exceptionally strong, rigid and durable. These qualities are derived both from the pinched back fretwork which adds considerably to the strength and rigidity of the face and from the sturdy construction of the register body. Supporting bars of heavy gauge steel reinforce the face. Valves have solid trunnions securely fastened to each end, insuring free and easy operation and long life.

No. 210 Register



The No. 210 line is made with grid-type face, to match No. 265 cold air face. Mesh openings are $\frac{1}{2}$ " x $\frac{1}{4}$ ". Body is similar to No. 200 floor register. If necessary to fit standard floor register border, order must so specify. Available with flat margin (beading trimmed off) at standard price, where so ordered.

Nos. 340 and 350



No. 350 Vertical

Provided with removable flange for fastening to stackhead.

The valve opens full 90 degrees and swings on an adjustable friction hinge that assures positive, quiet operation.



No. 340 Horizontal

These registers have heavy corrugated fret-work and convex margins, which not only add to the beauty of the design, but also serve to cover inequalities in the plaster.

Air Capacities and List Prices Nos. 340 and 350

Opening Size	Air Cap. Sq. In.	Black Japan	White Japan, Oak, Lacquer Finishes	Electroplated Oxidized Copper, Nickel, Brass, Bronze
8x10	44	\$1.50	\$1.80	\$2.85
8x12	53	1.75	2.10	3.30
9x12	60	1.90	2.30	3.60
10x12	66	2.20	2.65	4.00
10x14	78	2.85	3.45	4.75

List Prices Nos. 200-210 Registers, Faces, Borders Black Janned

Floor Opening	Complete Register	Face Only	Floor Opening	Complete Register	Face Only
4x 6	\$1.35	\$.70	12x16	\$5.25	\$2.70
4x 8	1.45	.80	12x18	6.45	3.00
4x10	1.55	.90	12x20	7.55	3.30
4x12	1.70	1.10	12x24	9.75	3.75
4x14	2.25	1.40	12x30	12.60	4.00
4x18	3.50	2.05	12x36	16.90	5.80
			12x48	24.75	9.00
5x 8	1.50	.85	14x14	5.65	2.90
5x10	1.60	.95	14x16	6.85	3.10
5x12	1.75	1.15	14x18	8.10	3.40
5x14	2.45	1.50	14x20	9.35	3.70
6x 6	1.45	.80	14x22	10.55	3.90
6x 8	1.55	.90	14x24	11.60	4.10
6x 9	1.60	.95	14x30	14.95	4.60
6x10	1.60	1.00	14x36	19.60	6.50
6x12	1.80	1.20			
6x14	2.55	1.55	16x16	8.65	3.60
6x16	3.40	1.90	16x18	9.90	3.80
6x18	4.15	2.20	16x20	11.15	4.00
6x20	4.95	2.50	16x22	12.50	4.20
6x24	6.30	3.00	16x24	13.70	4.40
6x30	8.25	3.40	16x30	17.90	5.50
			16x36	22.75	7.30
7x 7	1.60	.95	18x18	11.90	4.20
7x 9	1.60	1.00	18x20	13.15	4.40
7x10	1.65	1.05	18x22	14.60	4.60
7x12	1.90	1.25	18x24	16.00	4.80
8x 8	1.60	1.00	18x30	20.80	6.10
8x10	1.70	1.10	18x36	26.10	8.00
8x12	1.90	1.30			
8x14	2.95	1.65	20x20	15.30	5.00
8x16	3.85	2.00	20x22	16.90	5.20
8x18	5.05	2.40	20x24	18.55	5.40
8x20	6.05	2.70	20x26	20.45	5.90
8x24	7.90	3.20	20x30	24.05	6.70
8x30	10.45	3.60	20x36	30.40	9.00
9x 9	1.90	1.30	22x22	19.80	6.00
9x12	2.15	1.50	22x24	21.60	6.20
9x14	3.20	1.85	22x30	27.65	7.70
10x10	2.25	1.60	24x24	24.30	7.00
10x12	2.40	1.70	24x30	31.15	8.80
10x14	3.40	2.00	24x36	38.60	12.00
10x16	4.50	2.30			
10x18	5.55	2.70	26x26	29.60	8.70
10x20	6.70	3.00			
10x22	7.85	3.30	28x28	34.90	10.80
10x24	8.65	3.40			
10x30	11.30	3.75	30x30	41.15	13.00
			30x36	50.05	17.20
12x12	3.60	2.20			
12x14	4.25	2.50	36x36	60.30	20.00
12x15	4.75	2.60			

For Ventilating Registers add to list: All sizes up to 14 x 14, \$0.50; 14 x 14 and larger, \$1.00.

In ordering Ventilators specify whether for side wall or ceiling.

No. 345 Reversible Sidewall Register

With Convex Face



The No. 345 register, designed for use in the side-wall above the baseboard, is a reversible register and may be used either in a horizontal or vertical setting simply by removing two screws.

This register is furnished with the same corrugated fret-work and deeply convexed margin as No. 340 and No. 350 sidewall registers.

The operating device is so made that when register valve is closed the handle lies flat against register.

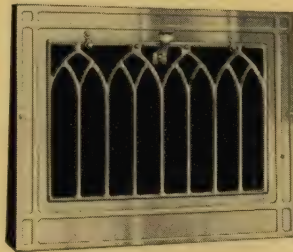
List Prices

Size	Air Cap. Sq. In.	Black Japan	White Japan, Oak, Lacquer Finishes	Electroplated Oxidized Copper, Nickel, Brass, Bronze
8x10	44	\$1.65	\$2.00	\$3.15
8x12	53	1.90	2.30	3.65
9x12	60	2.10	2.55	4.00
10x12	66	2.40	2.90	4.40

Black Janned Only Carried in Stock.

**No. 110 Series Baseboard Registers
With Removable Face**

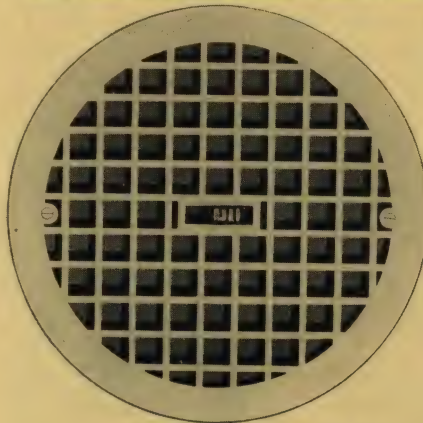
The attractive design of this register, plus its large air capacity and fine workmanship, have made it extremely popular. Installers will find that the large air capacities shown below make possible substantial savings in register costs. For example, size 8x12 has free face area equal to capacity of 10" pipe. The face is removable from frame by a quarter turn of the locking buttons. Height from floor to stackhead opening is 2 1/4".



Air Capacities and List Prices

Size	Class No.	Proj. from Wall at Base	Air Cap. Sq. In.	Black Japan	White Japan, Oak, Lacquer Finishes	Electro-plated Oxidized Copper, Nickel, Brass, Bronze
8x10	111 1/4	1 1/4"	63	\$2.00	\$2.35	\$3.50
8x12	111 1/4	1 1/4"	78	2.40	2.90	3.95
9x12	111 1/4	1 1/4"	88	2.50	3.00	4.00
8x10	112 1/4	2 1/4"	63	2.00	2.35	3.50
8x12	112 1/4	2 1/4"	78	2.40	2.90	3.95
9x12	112 1/4	2 1/4"	88	3.00	3.50	4.50
8x12	113 1/4	3 1/4"	78	3.00	3.50	4.50
9x12	113 1/4	3 1/4"	88	3.00	3.50	4.50
10x12	113 1/4	3 1/4"	98	4.00	4.60	5.75
10x13	113 1/4	3 1/4"	107	4.20	5.00	6.20
11x13	113 1/4	3 1/4"	118	4.50	5.25	6.75
10x13	114 3/4	4 3/4"	107	4.85	5.50	7.00
11x13	115 1/4	5 1/4"	118	5.25	6.00	7.50
12x14	115 1/4	5 3/4"	149	6.50	7.50	8.50
12x14	117 1/2	7 1/2"	149	9.00	10.00	12.00

Black Japanned and Oak Finishes Carried in Stock.



**No. 285
Round
Cast
Registers**

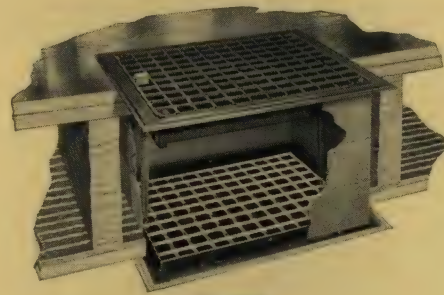
No. 285 is a cast iron register, slide - center movement, for use in floor or ceiling. Can be furnished with or without border or as face plate only, without valves.

List Prices

Size Ins.	BLACK JAPANNED			WHITE JAPANNED			OXIDIZED COPPER
	Register	Face	Border	Register	Face	Border	
5	\$1.30	\$0.85	\$1.10	\$1.60	\$1.10	\$1.25	\$2.50
6	1.50	.90	1.15	1.80	1.20	1.35	2.70
7	1.55	1.00	1.20	1.90	1.35	1.50	2.90
8	1.60	1.05	1.20	1.95	1.40	1.50	3.00
9	2.00	1.40	1.60	2.40	1.80	1.80	3.90
10	2.35	1.65	1.70	2.85	2.15	2.15	4.35
12	4.00	2.70	2.70	4.80	3.50	3.50	6.35
14	7.90	4.05	4.05	9.45	5.60	5.60	11.00
16	11.00	5.10	5.10	12.20	6.20	6.20	15.00
18	18.50	7.20	7.20	20.35	9.05	9.05	23.75
20	19.75	8.00	8.00	21.75	10.00	10.00	24.75
24	30.00	12.00	12.00	33.00	15.00	15.00	40.00
28	44.00	19.00	19.00	48.40	23.40	23.40	57.50
30	49.00	21.50	21.50	53.90	26.40	26.40	65.00
36	80.00	35.00	29.50	88.00	43.00	43.00	105.00
42	.....	48.00	37.50	.....	55.00	52.00	.....
48	.....	60.00	45.00	.....	65.00	60.00	.....

For Ventilating Registers add to list: All sizes up to 14 inches, \$0.50; 14 inches and larger, \$1.00.

**Adjustable Ventilators
Nos. 2250 and 2255**



No. 2250

Made to carry surplus heat from a lower to an upper room. Ventilators are complete, ready for installation, each consisting of one black japanned floor register, and one white japanned face, connected by a three-piece tin box which is adjustable from 5 to 12 inches in depth.

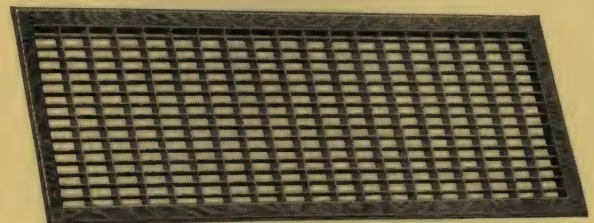
Easy to install. Allows a maximum of heat to pass through. Packed one in a carton, fully assembled, collapsed to 5".

Class 2255 Ventilator is made for use with double heater stoves, the warm air pipe from the stove being connected to a six-inch opening in the ceiling plate of the ventilator.

List Prices

Size	List	Size	List
8x10	\$2.50	10x14	\$4.50
8x12	3.00	12x14	5.15
9x12	3.25	12x15	10.40
10x12	3.85	14x16	15.45

No. 265 "No-Flex" Cold Air Face



Two features in particular recommend this improved grid type cold air surface: (1) Large air capacity; (2) Shallow depth—an important factor where single flooring is used.

Structural superiorities: Narrow mesh (1/2" x 1 1/4") Flush intersections and square upper edges improve appearance and provide better walking surface. Members are carefully aligned. Margins are straight as a die—narrow for close installation—beveled for strength. Welding on under side makes corner joints invisible. Most popular in Medium Dark Oak Finish. Furnished in nickel, brass and bronze finishes as well as those shown below.

Leading Sizes, Air Capacities, Pipe Sizes, List Prices and Crate Lots

Open-ing Size	Air Cap. Sq. In.	Pipe Size In.	Pipe Capacity	Black Japan	Oak, Lacquer Finishes	Electro. Oxidized Copper
10x12	98	10	78	\$1.70	\$1.90	\$2.55
12x14	139	12	113	2.50	2.80	3.75
6x24	117	12	113	3.00	3.35	4.50
6x30	146	12	113	3.40	3.80	5.10
8x24	158	14	154	3.20	3.60	4.80
10x24	202	16	201	3.40	3.80	5.10
12x24	240	16	201	3.75	4.20	5.65
8x30	201	16	201	3.60	4.05	5.40
10x30	250	18	254	3.75	4.20	5.65
12x30	300	18	254	4.00	4.50	6.00
14x30	350	20	314	4.60	5.15	6.90
16x30	403	22	380	5.50	6.15	8.25
18x30	456	24	452	6.10	6.85	9.15
20x30	504	24	452	6.70	7.50	10.05
22x30	557	26	530	7.70	8.60	11.55

Stocked in Black Japanned and Oak Finishes Only.

Ruby Soldering Flux



A modern chemical discovery. A quick-acting, harmless flux for all metals. A substitute for acids, salts and pastes. The only flux for soldering galvanized steel which does not tarnish or damage the coating.

Users are free from the effects of the fumes of acid, which destroy stock, tools, machinery and men.

It is unequalled for soldering tin, copper and brass. The only flux for all metals which does not cause the deterioration of the lead in solder, and work done with it is at once stronger, 500 per cent. better in appearance and free from oxidation, "rust," "tarnish," or "corrosion."

It is used by the U. S. Navy, several ship building companies, and by many canners in the United States, Canada and other countries.

Pint cans.....
Gallon cans.....

Quart cans.....
5 gallon cans.....

A-S-P Soldering Fluid

This fluid is a heavy, water-white fluid that contains no acid, gives off no fumes, does not rust or corrode, does not stain, and does not injure the hands.

Solders tin, brass, copper, zinc, galvanized iron—everything from cast iron to gold (aluminum excepted).

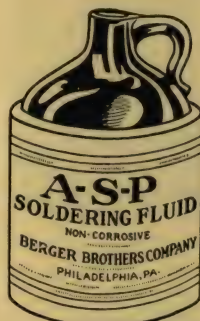
Takes solder as well after drying as when wet.

Goes further than acid or cut acid.

Solders more quickly and gives a cleaner, smoother joint.

Preserves the soldering irons and keeps them clean.

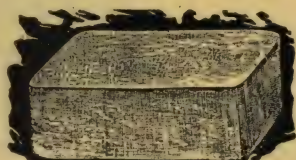
Quart bottles.....
Gallon jugs.....



Compressed Sal Ammoniac

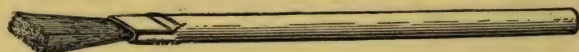
Superior to the ordinary crystallized.

For tinning soldering coppers.



Lump Rosin (Best Quality)

Acid Swabs or Brushes



Solder

We handle three grades and take great care that each grade is always up to its proper standard. All new metal.

Prices are revised daily to the latest metal quotations.



This grade is a regular Commercial Half and Half, and will answer all ordinary requirements.



This Berbroscos brand is a Guaranteed Half and Half, and a very popular brand. Sells on its merits.



B. B. Co. Special is our finest grade and is guaranteed better than Half and Half. Will answer all requirements.

WIRE SOLDER

Half and Half quality. In any quantity desired.

Acid-Core and Rosin-Core Wire Solder

Acid-Core is used for general soldering purposes, Rosin-Core for delicate electrical and radio work. Furnished in 1 and 5-pound spools.



Plumbers' Extra Wiping Solder in Cakes. Made entirely of new metal. Pig lead and bar tin always carried in stock and priced at lowest market prices.

Yager's Soldering Salts

Warranted to excel all other preparations for soldering tin, copper, brass, iron and all metals.

It is a dry salt in small bulk. By adding a little water it is instantly ready for use.

It is free from disagreeable fumes.

It leaves the metal bright and clean. It causes the solder to flow more evenly.

It does not injure the irons like acid, and is unexcelled for tinning them.

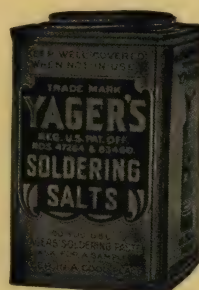
An iron tinned with it will wear longer than when anything else is used.

It is superior to any other preparation for tinning metal. It can be used on damp surfaces.

Packed in screw top cans, excluding both light and air so that the salts retain their granular form.

½ lb. cans..... 1 lb. cans....
5 lb. cans.....

Also furnished in 50 lb. tubs and 100 lb. kegs.



Yager's Soldering Paste

A fine flux for fine work. Try it on your next job and be satisfied.

½ lb. cans..... 1 lb. cans.....

Speco Solid Sal Ammoniac

½ lb. cakes..... 1 lb. cakes



Soldering Coppers



Best Riveted Handles

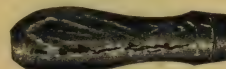
Sizes—1, 1½, 2, 3, 4, 5, 6, 8, 10, 12 and 16 pounds per pair.



Best Hooked or Clinched Handles

Sizes—3, 4, 5, 6, 8, 10 and 12 pounds per pair. Always state whether weight wanted is per pair or each, and if Clinched or Riveted Handles.

Wired Soldering-Iron Handles



Per dozen.....
Per gross.....
Per 1,000.....



Parker Shur-Grip Solder-Iron Handle

This Handle overcomes all the faults of the ordinary solder iron handle. It has a hardened steel casing made like a die which cuts a thread on the stem of the solder iron as the handle is screwed on. Will not burn or char.

No. 7—For 1½ to 4 lb. solder irons.....
No. 8—For 4 to 8 lb. solder irons.....
No. 9—For 8 to 12 lb. solder irons.....
Packed one dozen of a size in a carton.

Logan's Soldering-Iron Handles



Without Heat Shield

This Handle is made of gas pipe and the best hard wood; is neatly finished, will not heat in use, and will not break. The irons can be instantly fastened or released by turning a set screw.

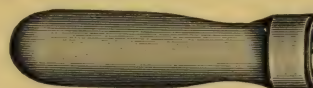
EVERLASTING—TRY THEM



With Heat Shield

Fibre Soldering Copper Handles

Fits the hand—cannot split and will not burn, practically indestructible.



Charcoal

In approximately 2 Bushel Bags



Johnson Gas Furnaces

Furnished for Artificial Gas Unless Otherwise Specified

JOHNSON FURNACE No. 1

Length, 12 inches; weight, 12 pounds.

Fire pot opening, $3\frac{1}{2} \times 2\frac{1}{2}$ inches.

Gas consumption, 10 cubic feet an hour.

Equipped with one powerful Johnson Atmospheric Bunsen Burner with shut-off valve and pilot light. Fire box is lined with a refractory lining. This Furnace will handle a pair of six-pound soldering coppers and can also be used for heat treating of any carbon steel tools up to its capacity. The patented curved shaped hood forces a return blast over the tops of irons or parts to be heated.



List Price.....\$11.00 Each

JOHNSON FURNACE No. 101

Length, 14 inches; weight, 18 pounds.

Fire pot opening, $4\frac{1}{2} \times 2\frac{1}{2}$ inches.

Size of fire box, $3\frac{1}{4} \times 4\frac{1}{2} \times 5\frac{1}{2}$ inches.

Gas Consumption, 10 cubic feet an hour per burner. Equipped with two powerful Johnson Atmospheric Bunsen Burners with shut-off valves and pilot lights. Fire box with refractory lining. This Furnace will handle a pair of 10 to 12 pound soldering coppers. Can also be used for the heat treating of any carbon steel tools up to its capacity. These Furnaces have the Johnson patented curved shaped hood that forces a return blast over the tops of the irons or parts to be heated.



List Price, \$14.50 Each

JOHNSON FURNACE NO. B501

Length, 12 inches; weight, 15 pounds.

Fire pot opening, $3\frac{1}{2} \times 2\frac{1}{2}$ inches.

Gas consumption, 10 cubic feet an hour.

This Furnace is designed to heat a pair of 6-pound soldering coppers. It is equipped with one Johnson Atmospheric Bunsen Burner with shut-off valve and pilot light. The base is lined with firebrick and the shelf in the rear protects the tinning on the points of the coppers and the patented curved shaped hood forces a return blast over the top of irons or parts to be heated.



List Price, \$8.00 Each

JOHNSON FURNACE NO. B502

Length, 14 inches; weight, 18 pounds.

Fire pot opening, $4\frac{1}{2} \times 3$ inches.

Gas consumption, 10 cubic feet an hour per burner.

This Furnace is exactly like the Series No. B501, only larger, having two independent burners with shut-off valves and pilots. Designed to heat a pair of 10 to 12 pound soldering coppers.



List Price, \$10.00 Each

Tinners' Mallets



MILLER MALLET

Outlast wood, rubber, rawhide and lead mallets. Miller mallets are built for extra service. Laminated construction. Molded in one piece with second growth hickory handle.

No. 8—2 in. x $3\frac{1}{2}$ in., 8 oz.
No. 16—2½ in. x $4\frac{1}{2}$ in., 16 oz.
No. 24—2¾ in. x $5\frac{1}{2}$ in., 24 oz.

DOGWOOD MALLET

No. 9—2½ x $5\frac{1}{2}$ inch.
No. 10—2¾ x $5\frac{3}{4}$ inch.
No. 11—3 x 6 inch.

"Handy" Seamer



Adjustable for seams of different width from $\frac{1}{8}$ to $\frac{1}{2}$ inch. Can be used where larger seamer would not be practical. As it is light and measures but $7\frac{1}{4}$ inches by $3\frac{1}{2}$ inches it can be carried in tool kit or pocket.

No. 793—Handy Seamer, japanned.

JUMBO HANDY SEAMER

This Seamer is the same as No. 793 except it is heavier and larger. Measures $10\frac{1}{4}$ inches by $6\frac{3}{8}$ inches.

Scratch Awls

No. 01—Steel scratch awls, length, $8\frac{1}{2}$ inches.



Gas Furnace



No. 333

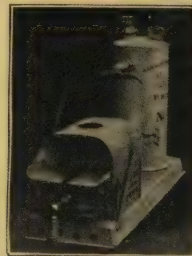
Equipped with double burner, sheet iron top and brick lining. This furnace will burn natural or artificial gas, and will prove serviceable for general use in heating soldering coppers. Ready for use and with the proper flow of gas will produce a blue, hot flame.

Burgess No. 3 Gem Furnace

Are Worked Out-of-Doors in All Kinds of Weather.
On the Market Over 30 Years

NO SMOKE—NO NOISE—NO ODOR

No. 3 Gem, galvanized steel reservoir with bulb \$20.50
No. 3 Gem, galvanized steel reservoir with brass pump..... 22.00
Capacity 3 quarts



Sheet-Iron Fire Pots

Note Slanting Mouth

Well made of No. 24 galvanized iron. Height over all $12\frac{1}{2}$ inches. Diameter of body 7 inches.

Double bottom in same.

List Prices

Round Bottom \$1.50
Square Bottom \$2.00

Also Special Sizes to Order



BERRIDGE'S PATENT Pipe Snips and Pipe Crimpers

Patented Nov. 23, '97



Have no equal for cutting and crimping stove pipe, conductor pipe, and furnace pipe.
Satisfaction guaranteed.

No. 1—Small.....
No. 2—Medium, with crimper, length 13 inches.....
No. 3—Medium, without crimper, length 13 inches.....



Todd's Improved Cutting Nippers

Nos.	1	2	3	4
Length, inches.....	12	11	10	8
Width of cutter, inches.....	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$
List Price per pair.....	\$3.65	\$3.35	\$2.95	\$2.50



Extra Cutters

Nos.	1	2	3	4
List Price—Extra cutters, per pair.....	\$1.15	\$1.05	\$1.05	\$.90

Standard Steel Square POLISHED



Two Feet

No. 14—24 x 2 inches—16 x $1\frac{1}{2}$, $\frac{1}{8}$, $\frac{1}{4}$



Straight Pattern

Finish—Blued Handles and Polished Heads

Nos.	06	6	7
Will cut stainless steel No.	20	21	22
Will cut mild steel No.	18	19	19
Length of cut, inches	4 1/2	4 1/2	4
Length over all, inches	17	15 1/4	14 1/2
Weight lbs., each	5	3 3/8	3
Nos.	8	9	10
Will cut stainless steel No.	22	24	24
Will cut mild steel No.	19	20	20
Length of cut, inches	3 1/2	3	2 1/2
Length over all, inches	13 1/2	12 1/2	11 1/2
Weight lbs., each	2 1/2	1 3/4	1 1/2



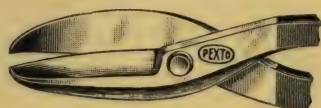
"Bulldog" Pattern

Finish—Blued Handles and Polished Heads

A heavy snip designed for cutting the heavier gauges of iron for which the ordinary snip is not adapted. The long handles on this snip offer greater leverage. The jaws are extra heavy.

No.	14
Will cut stainless steel No.	20
Will cut mild steel No.	17
Length of cut, inches	2 1/2
Length over all, inches	16
Weight lbs., each	4 1/4

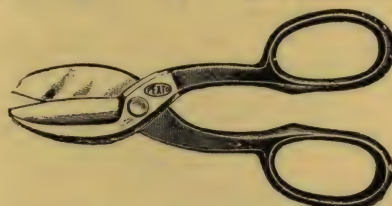
Also Furnished Circular Pattern No. C14.



Circular Pattern

This snip is exactly the same snip as above except that it has the curved blade.

Nos.	C7	C8	C9	C10
Length of cut, inches	4	3 1/2	3	2 1/2



General Purpose Pocket Snip

Finish—Red Handles and Polished Heads
Adapted to use by the mechanic, plumber, electrician, automobilist, tinsmith and sheet metal worker.

No.	82
Length of cut, inches	2
Length over all, inches	7
Weight lbs., per dozen	6



Compound Lever Shears

Made from drop forgings. Very strong and durable and cut easier than the old styles. The old styles require two to three times the same amount of strength to operate in heavy metal. The back part of the inside of the blades is cut away so as to allow them to more easily pass over or under the stock in cutting either inside or outside curves.

No. 10—10 1/2 inch, length of cut 2 1/2 inch.
No. 12—12 inch, length of cut 3 inch.
No. 14—14 inch, length of cut 3 1/2 inch.

Bench Shears



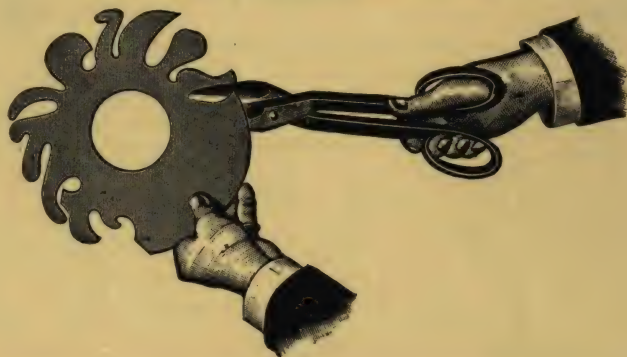
As regularly made, Bench Shears have a right-hand cut with the lower blade on the right side of the Shear. Pexto Bench Shears are made of high-grade materials and with the same skilled workmanship as characterizes the entire line.

Number	00	0	1	2	4	5	6	31	32	33
Cap. gauge iron, No.	18	18	18	19	20	21	22	18	16	14
Length cut, inches	11 1/2	10 1/2	9	8 3/4	7 3/4	6 1/4	5 1/4	4	6	7 1/2
Length over all, inches	46	42 1/2	39	37	30	27	25	26	39	46
Weight, lbs.	36	30	24	19	12	9	8 1/4	9 1/2	26	48

Packed one in a package.

Finish—Black Handles and Polished Heads

Buffalo Combination Snips



The jaws of the Buffalo Combination Snip are so shaped that curves, scrolls and irregular shapes can be cut as well as straight lines. The jaws allow the material to pass freely when cutting curves or changing the direction of the cut.

Buffalo Circular Snips. As it is very desirable that snips with curved jaws intended to cut curves also have the jaws shaped "Buffalo" style, we offer the Buffalo Circular Snip.

These snips are finished in first-class manner, being forged out of the solid bar, with steel-laid jaws properly tempered.

No. 17—Buffalo Straight Snip, 4 inch cut
No. 18—Buffalo Straight Snip, 3 1/2 inch cut
No. 19—Buffalo Straight Snip, 3 inch cut
No. 17—Buffalo Circular Snip, 4 inch cut
No. 18—Buffalo Circular Snip, 3 1/2 inch cut
No. 19—Buffalo Circular Snip, 3 inch cut

Made with handles for left hand at small additional cost.

Hawk's Bill Combination Scroll and Circular Pattern



Finish—Blued Handles and Polished Heads

Work can be cut on a straight line, and they will cut circles in very much smaller dimensions than it is possible to cut with any other Snip on the inside as well as on the outside of a sheet of metal.

The blades have a clearance bevel between the cutting edges, which permits the blades to easily turn a sharp corner or work around a small curve. The blades being unusually narrow and ground to an extreme narrowness at the points, they are highly valuable for cutting openings in pipe or cylinders of every description for furnace jackets, thimbles, tee joints, etc.

Nos.	15	23
Will cut iron, No.	28	20
Length of cut, inches	2 1/2	2 1/2
Length over all, inches	11 1/2	13
Weight lbs., each	1 1/4	1 3/4

The "Wiss" Snip



In making this Snip a piece of the finest crucible steel is welded to the inside of the blades of the toughest of steel forgings which gives the "Wiss" Snip its perfect, lasting, cutting edge. The blades are perfectly shaped, with points made strong and the handles formed so that they will not tire the hand even after continuous use.

No. 9 —Regular pattern, cut 3 inches, entire length 12 1/2 inches.
No. 8 —Regular pattern, cut 3 1/2 inches, entire length 13 1/4 inches.
No. 7 —Regular pattern, cut 4 inches, entire length 14 1/2 inches.
No. 19 —Buffalo pattern, cut 3 inches, entire length 12 1/2 inches.
No. 18 —Buffalo pattern, cut 3 1/2 inches, entire length 13 1/4 inches.
No. 17 —Buffalo pattern, cut 4 inches, entire length 14 1/2 inches.
No. 9C—Circular blade, cut 3 inches, entire length 12 1/2 inches.
No. 8C—Circular blade, cut 3 1/2 inches, entire length 13 1/4 inches.
No. 7C—Circular blade, cut 4 inches, entire length 14 1/2 inches.

Slip Joint Pliers



The No. 5 Slip Joint Plier is one that is sure to meet with instant favor. Without a doubt, it is the most useful type of Pliers made.

For the automobilist, mechanic, plumber, about the house or store, the No. 5 Slip Joint Plier may be used anywhere for practically everything.

The Slip Joint type of design, permitting a wider opening of the burner jaws, is an aid to all-around use.

Size in inches.....	6	8	10
Weight in lbs., per dozen	6	8	12
No. 5—Polished Head Blued Handles.			
No. 5 N. P.—Full Nickel Plated.....			



Flat Nose Pliers

Box Joint, Flat Nose, Forged Steel

Inches.....	3	3½	4	4½	5	5½	6	7	8
Weight in lbs., per dozen.	¾	1	1½	2	2¾	3	3¾	6¾	9
No. 20—Blued Handles....									

Side Cutting Pliers

Lap Joint

The No. 40 Plier is a high-grade Plier, forged from crucible steel, finished with blued handles. It is fully guaranteed.

Inches.....	4	5	6	7	8
Weight in lbs., per dozen	2	2½	5	6½	10½
No. 40—Blued Handles.....					



Round Nose Pliers

Box Joint, Round Nose, Forged Steel

Inches.....	3	3½	4	4½	5	5½	6	7	8
Weight in lbs., per dozen.	¾	1	1½	2	2¾	3	3¾	6¾	9
No. 25—Blued Handles..									



Screw Drivers

No. 3 Solbar Screw Driver

Solid steel bar construction, forged from the highest grade steel scientifically hardened and tempered, these features make Pexto Solbar Screw Drivers a most superior tool of unusual desirable qualities. The design is correct and construction is such that the handle will not twist off under the severest strain. Packed ½ dozen in carton.

Inches.....	2	3	4	5	6	7	8	10	12
Weight, per doz. lbs.....	4	4½	4¾	5	7	7½	10	10¾	11¾

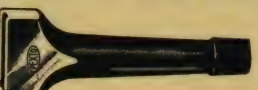


Rivet Sets and Headers

No. 46 TINNERS' SPECIAL FORGED STEEL RIVET SETS

Gun Metal Finish

Size.....	00	0	1	2	3	4	5	6	7	8
Size hole, inches	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Size drill,										
Gauge No...	⅜	⅜	⅜	3	11	19	25	28	30	35
For iron rivets, lbs.....	14, 16	10, 12	7, 8	6	4, 5	3, 3½	2, 2½	1½, 1½	1, 1½	10, 12oz.



Grooving Tools

HAND GROOVER

Number.....	0000	000	00	0	1	2	3	4	5	6	7	8
Weight, lbs.....	0.1	0.1	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜
Size groove, in....	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜



Hollow Punches

Forged Steel

In Sizes From ⅜ to 4 Inches Diameter.



Cold Chisels

Octagon Pattern—Blade and Head Polished

Number.....	00	0	1	2	3	4	5	6	7	8	100
Width blade, in...	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	1 11½
Diameter, in.....	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	⅜	1 11½
Length, in.....	5½	5½	5½	6	6	6½	7½	7½	8	8½	

Punches



Solid Punches

OCTAGON FORGED STEEL SOLID AND PRICK PUNCHES

Number.....	Solid 00	0	1	2	3	4	5	6	7	8	9	10
Length, ins.	5	5	4¾	4¾	4½	4½	4½	4½	4½	4½	4½	4½
Size face, dia. ins.	.355	.305	.280	.250	.225	.213	.188	.168	.145	.128	.114	.093
For rivets, lbs.	16	14	12	9, 10	7, 8	4, 5, 6	3, 3½	2, 2½	1½, 1½	1½, 1½	1½, 1½	1½, 1½
No. 38 Prick Punch—4½" long												

Prick Punches

Riveting and Setting Hammers—Bright



Riveting Hammer

No.....	5	4	3	2	1	0
Size of face, inches.....	5½	4	3½	2	1½	1½
Weight, ounces.....	6	10	14	18	24	40



Setting Hammer

Raising Hammers

No.	Weight
1—Handled, 82 ounces.....	
2—Handled, 60 ounces.....	
3—Handled, 36 ounces.....	
4—Handled, 28 ounces.....	

Wing Dividers



These dividers are without question the finest and most attractive tools of their kind made. Forged from the highest grade of steel, the upper part of legs are perfectly square, the lower part having a long taper. Head is large, firm and symmetrical. Wings are knurled to hold special point which is put on thumb screw. All parts highly polished and heavily nickel plated.

Inches.....	6	7	8	10	12
-------------	---	---	---	----	----

Tinners' Roofing and Plumbers' Scrapers



These Scrapers are forged from the highest grade of steel. Are well tempered, finely finished and in all respects are perfect tools.

No. 996—Size ⅜ x ⅝ x 10 inches.....

Sheet Metal Reamer and Socket Wrench

A combination tool of great value to the worker in sheet metal. The reamer is forged from a high-grade steel properly hardened and tempered, drawn to a sharp, hard point for pricking through light material and reaming holes to ordinary size required for fitting dampers in pipe and for general rough punching where a hand punch is not available.

The handle is of malleable iron made up in a socket wrench with ½ inch and ⅝ inch square hole.

Length over all, inches.....	7
Length of reamer over all, inches.....	5¾
Length of handles, inches.....	4



National Standard

Flat and Round Head Stove Bolts

Per 100

Length	DIAMETER			Length	DIAMETER		
	⅜"	⅝"	¾"		⅜"	⅝"	¾"
3/8"	.57	.67		2"	1.11	1.27	1.98
1/2"	.60	.70	1.12	2 1/4"		1.41	2.16
5/8"	.63	.73	1.18	2 1/2"		1.59	2.34
3/4"	.66	.76	1.25	2 3/4"		1.77	2.55
7/8"	.68	.79	1.31	3"		1.95	2.75
1"	.71	.83	1.38	3 1/4"		2.25	3.10
1 1/8"	.76	.86	1.44	4"		2.55	3.45
1 1/4"	.80	.90	1.51	4 1/4"		2.85	3.80
1 1/2"	.84	.96	1.57	5"		3.15	4.15
1 3/4"	.89	1.01	1.64	5 1/4"		3.45	4.50
2"	1.00	1.12	1.80	6"		3.75	4.85

Flat-Head Iron Rivets

BEST NORWAY IRON



Per 1,000

Size, oz.....	8	10	12	14	1 lb.	1½	1¾	2	2½
Black.....	\$0.32	\$0.36	\$0.41	\$0.45	\$0.48	\$0.54	\$0.62	\$0.67	\$0.72
Size, lb.....	3	3½	4	5	6	7	8	9	10
Black.....	\$0.96	\$1.09	\$1.20	\$1.30	\$1.50	\$1.75	\$2.00	\$2.20	\$2.40



Swedes' Iron Burrs

List of May 19, 1920

Per Pound

Size...	1/2"	5/8"	3/4"	7/8"	No. 1	No. 2 or 3/8"	No. 3 1/4"	No. 4	No. 5 or 1 1/8"
Price...	.40	.40	.40	.40	.40	.40	.40	.40	.42
Size...	No. 6	1 1/8"	No. 7	No. 8 or 1 3/8"	No. 9	No. 10	No. 11	No. 12	No. 13 or 1 7/8"
Price...	.46	.46	.47	.48	.49	.51	.54	.64	.74
									.84

Roofing Tongs

SQUEEZING TONGS

Weight, lbs.	17
Length of squeezing jaws, inches	11 1/2
Depth of squeezing jaws, inches	2 1/8
Length of handles, inches	24

CLAMP TONGS

Weight, lbs.	3 1/2
Depth of jaws, inches	3
Length of handles, inches	14
Width of blades, inches	1 1/2
Length of blades, inches	6



No. 766—Squeezing Tongs

Clamp Tongs—No. 765

Common Roofing Tongs

Sizes 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inches. 18 1/2-inch Blades

Adjustable Roofing Tongs, No. 773

Will Turn Width of Locks 1/2, 3/4, 1, 1 1/4, 1 1/2

Length of Blades, 18 1/2 inches

Illustration as shown above

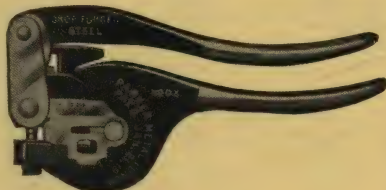


Gutter Tongs, No. 777



Depth of jaws, 14 inches; width of blades, 1 1/4 inches; length of blades, 12 1/2 inches.

Parker Metal Punch



The No. O. X. Parker Punch is the only hand punch with a front and side gauge combined. The gauge is used as a screw driver to change die, also wrench for changing punch.

The front pointer in connection with the side gauge enables you to locate the centre of the punch without the necessity of looking into the throat; this feature saves a good deal of time in locating a centre, and does away with centre punching your work.

Made of O. H. Forged Steel, heat treated. All working parts are hardened and tempered. Will punch 1 1/2 inch hole in 16-gauge steel. Depth of throat to centre of punch 1 1/2 inches. Weight about 2 3/8 pounds.

Shear and Punch

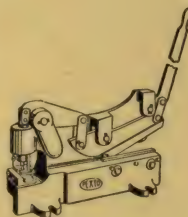
This machine is suitable for both cutting and punching metal. It may be used for cutting 1/2-inch iron and 1/4-inch narrow bars. The No. 679 will punch the centre of a circle 5 1/2 inches in diameter.

Furnished with one combination die and five punches: viz., 1/8, 1/4, 3/8, 1/2, 5/8 inches.

No. 679

Combined Shear and Punch

No. 679—Shear and punch, weight 120 lbs.



Lenox Throatless Shear

This Shear is intended for all manner of sheet metal shearing, including irregular shaped pieces, inside curves and almost any manner of special work covering flat metal.

No. 18H—Hand Power

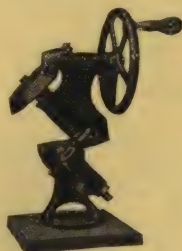
Capacity—18 gauge and lighter, cuts to 1 1/4 inch radius. Head—Solid cast steel.

Base—Hardwood.

Gears—Steel and cast iron cut.

Cutters—Adjustable, 2 x 2 1/2 inch, special high-grade steel, oil tempered; upper cutter driven and slightly knurled to feed material; accurately ground; lower cutter runs free in sleeve.

A circular cutting attachment is furnished at a small additional cost that will guide material in cutting discs from 7 inches in diameter to 24 inches.



We Can Also Furnish Shears for Heavier Duty, Hand and Power Driven

Burritt's Improved Duplex Treadle Seamers

Right and Left Foot Power

Two pair is a set, common gauge, to follow 1" and 1 1/4" tongs; lock 3/4" high when done.

Two pair is a set, wide gauge, to follow 1 1/4" and 1 3/4" tongs; lock 1 inch high when done.

No changing gauge.

No mallet work.

Will close seam either foot, up or down the roof.

A SPECIAL Seamer is furnished for GALVANIZED ROOFING.



Roofing Double Seamers

No. 743 Series

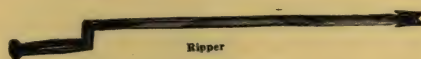


Number	743	744	745	746
Weight per set, lbs.	14	16	19	22
Sizes, inches	1 1/2 x 1 1/2	1 x 1 1/4	1 x 1 1/4	1 1/4 x 1 1/2
Match up with Roofing Tongs, inches	3/4 x 1	1 x 1 1/4	1 1/4 x 1 1/2	1 1/2 x 1 1/4

Slaters' Tools



Stake



Ripper



Hammer

The Hammers are forged from one solid piece of steel, finely polished and tempered, and the ripper blade is cut from solid steel.

Whitney's Portable Hand Punch

A Modern Money Saving Tool
Frequently Pays for Itself on One Job.
Dies Quickly and Easily Changed or Adjusted

Punches and dies in 13 sizes, from 1/8 to 1 1/2 inch, and by one-thirty-seconds. One punch and one die furnished with each punch. Weight, 14 lbs.; length over all, 23 inches.



No. 2

Capacity, 1/8 inch hole through 1/4 inch iron or equivalent.

No. 10 Ball Bearing Punch

Capacity	3/8" through 1/4"
iron	
Weight	8 1/2 Lbs.
Depth of throat	1 1/2"
Height of throat	7/8"
Length overall	19"



Tool furnished complete with one punch and die of specified size. We furnish any size punch and die from 1/8" to 1 1/2" by 1/32".

Chicago Steel Slitting Shear

Easiest Operated and Most Durable Hand Bench Shear on the Market

Indispensable for slitting sheet steel and for cutting steel bars, band iron, brake band lining, belting.

Pressed steel construction. Shear blades made of highest grade crucible steel. Equipped with adjustable hold-down. All parts interchangeable.

Capacity 1/4 in. x 2 in. Bars.

10 Gauge Sheets.

Also Furnished for Cutting Angle Iron.



Parker's Eclipse Vise



Stationary Base

The Eclipse Vise is equal to the very best produced by other makers. Years of experience and complete factory equipment provide stronger castings, better distribution of material in design. In addition this vise has renewable high-grade steel faces, milled and fitted to the jaws. A cut thread, screw and nut. The saddle, saddle screw and tension spring in the lever.

We can also furnish this vise with swivel base at a slight advance in cost.

No.	Width Jaws, Inches	Jaws Open, Inches	Depth Opening, Inches	Weight, Pounds
100	2	3 1/2	3	13 1/2
101	2 1/2	3 1/2	3	14
102	3	4 1/2	3 1/4	22
103	3 1/2	5 1/2	3 3/8	35
104	4	6 1/2	4 1/4	43
105	4 1/2	7	4 3/4	61
106	5	8	4 3/4	83
106 1/2	5 1/2	9	5 1/2	105
107	6	10 1/2	5 1/2	132

Portable Electric Drills



Roofing Folders



Roofing Folder Nos. 13C-23C



Roofing Folder Nos. 113 IMP.-123 IMP.

Nos.	13C	23C	113 Imp.	123 Imp.
Length, inches.....	20	28	20	30
Will form locks, size, inches....	1/4	1/2	1/4 to 3/8	1/4 to 3/8

NOTE—C after number signifies common type and fitted for one size lock only. Imp. after number signifies improved pattern with adjustable gauge.

Iron Bottom Sheet Iron Folder

No.	2
Length, inches.....	30
Will form locks, ins.....	1/4 to 5/8
Capacity, No. 22 gauge.	



Pexto Improved Adjustable Bar Folders

These Folders are made from new patterns. Represent the last word in Bar Folding construction. They are intended for forming the edges of sheet metal at various angles. They will produce closed locks as well as open or round locks for inserting a wire in the flat sheet.

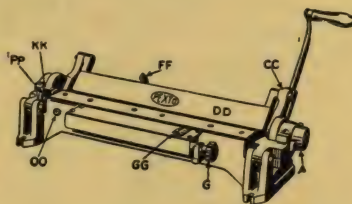
No. 62-No. 63—Capacity 1/4 inch locks and wider, No. 22 gauge and lighter.

No. 62-No. 63—Capacity 1/2 inch locks and wider, No. 24 gauge and lighter.

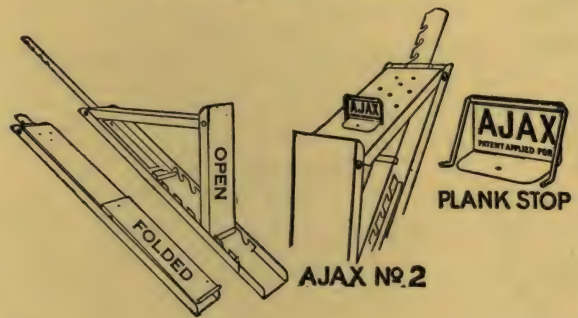
No. 62-No. 63—Capacity 3/4 inch locks and wider, No. XX tin.

No. 055-No. 058—Capacity 1/4 inch locks, No. 20 1/4 inch locks, No. 22 gauge.

Nos.....	62	63
Length, inches.....	20	30
Will form closed and open locks, inches.....	1/2 to 1	1/2 to 1
Will form open locks to receive a wire up to, inches.....	1/4	1/4
Nos.....	055	058
Length, inches.....	36	42
Will form closed and open locks, inches.....	1/2 to 1 1/4	1/2 to 1 1/2



Ajax Folding Roof Bracket



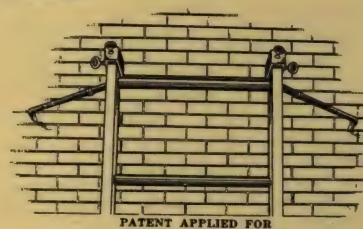
AJAX No. 1
Without Plank Stop

The Ajax Folding Roof Bracket is the most popular bracket on the market. Made of No. 16 and 18 gauge galvanized metal formed and riveted in such a manner making a bracket guaranteed to carry any weight that can be piled on. Instantly adjustable to any pitch of the roof. Boards or planks up to 12 inches can be used. Pays for itself on first job.

AJAX No. 2
With Plank Stop

Seaman Safety Bracket

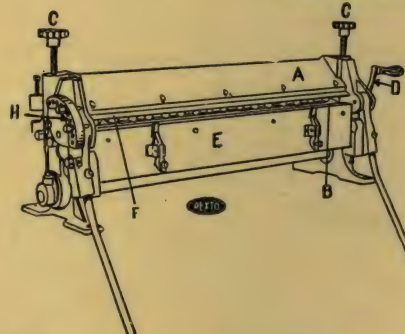
Fits Any Ladder
Insures Safety



Indispensable for hanging gutter, screens, etc. Holds the ladder away from building 14 inches. The safety clip on the arm keeps fire or paint pot from sliding.

Bench Folders and Brakes

Nos. 696 and 697



Capacity—No. 20 Gauge
Iron and Lighter

Will form 1/4 to 1-inch
Locks on Heavy Iron.

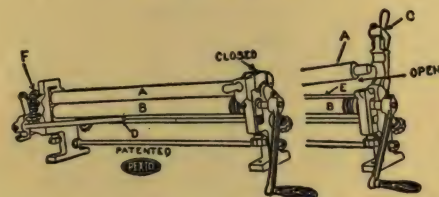
Will form 1/4-inch Locks
on Light Material.

No. 696—36 inches long.
No. 697—42 inches long.

With these new Bench Combination Folder and Brake Patterns a variety of folding operations are possible. Like the regular floor brake, the jaws allow for the forming of any size of angle, the sheet remaining stationary while the folding takes place. It will form the edges for lock seams with a nicety. Fitted with adjustable gauges, the scribing of sheets before each bend is not necessary.

NOTE—Furnished regularly with folding blade for sharp or closed locks and adjustable front and rear gauges. Extra blades for forming open or wire locks can be furnished at an extra cost.

Forming Machines SLIP ROLL No. 382 Series

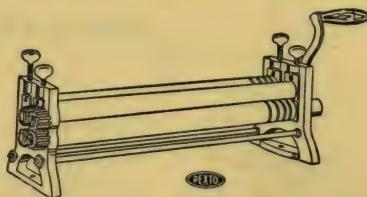


Number.....	382	381	0881	390
Shipping weight, approximately, lbs....	165	180	200	350
Length rolls, inches.....	30	36	42	36
Diameter rolls, inches.....	2	2	2	2 1/2
Gripping rolls, open, inches.....	1/2	1/2	1/2	1/2

NOTE—In these Formers Gripping Rolls (A) and (B) have an extreme clearance of 1/2 inch. Grooves cut in rolls are intended to allow work with a wire to be formed. Tight pulley, or tight and loose pulleys and iron floor legs can be fitted when so ordered. No. 390 is back geared and has rolls 2 1/2 inches in diameter with a ratio of gearing 2 to 1. New original Pexto features are embodied in these Forming Machine Patterns that place them in a class by themselves. They are greatly improved over our old Slip Roll Pattern Forming Machines and those which the present market offers. A careful study of the illustration shows the time and steps saved through being able to perform all operations at one end of the machine, the convenient end where the crank is fitted.

Forming Machines

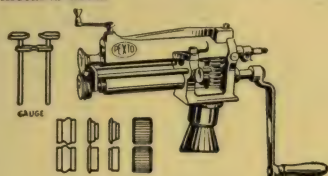
WITH MACHINE CUT STEEL
COMPENSATING GEARS



Number.....	0372	372	373
Shipping weight, approximately, lbs.....	185	165	140
Length rolls, inches.....	42	36	30
Diameter rolls, inches.....	2	2	2

NOTE—Grooves cut in rolls are intended to allow work with a wire to be formed. Wire should only be formed between the grooves cut for that purpose.

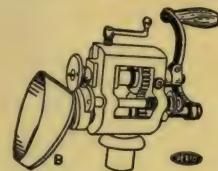
These Formers have solid housings and are fitted with machine cut steel compensating gears. Gears to run smoothly should mesh constantly to a certain depth and the shape of the teeth should be accommodated to such depth. In these Formers the gears on the gripping rolls do not mesh with each other, but with two gears so hung that when the gripping rolls are moved the mesh of the gearing is unchanged. This insures uniformity of action and durability for the gears, they running more smoothly than cast-iron cogs, without danger of slipping or breaking with whatever thickness of metal is used.



Beading-Wiring-Burring-Crimping

Number.....	622
Shipping weight, approximately, lbs.....	60
Depth throat to frame, inches.....	6 1/4
Depth throat to gauge, inches.....	5 1/2
Width crimping rolls, inches.....	1 1/4
Width beading rolls, inches.....	1 1/8
Diameter turning and wiring rolls, inches.....	1 1/8
Smallest wire that can be used with turning rolls, gauge.....	11
Wiring rolls will receive wire up to, gauge.....	7
Widest flange or burr that can be turned with burring rolls, inches.....	3/4
Distance between shaft centers, inches.....	2

Packed one in a box.
NOTE—Furnished complete with standard and five pairs of rolls, viz., crimping, beading, turning, wiring, and burring and one extra gauge. Extra special rolls quoted on receipt of specifications. Provided with forward and reverse drive.



Elbow Edging Machines

COLUMBIAN PATTERN
ELBOW EDGING MACHINE
Capacity No. 22 Iron and Lighter

Number.....	5544
Shipping weight, approximate lbs.....	33
Diameter of rolls, inches.....	2

Furnished with one set elbow edging rolls in either of eight types illustrated below and standard.

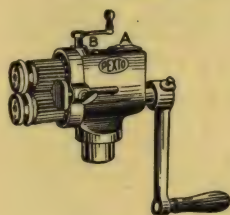
NOTE—Where specifications do not accompany orders, rolls in Design No. 1 will be furnished regularly.

Elbow Edging Rolls



Numbers 1 to 8.....
These rolls in all designs will fit Encased and Columbian Pattern Machines Nos. 541 and 545.

Common Sense Combination Crimping and Beading Machine

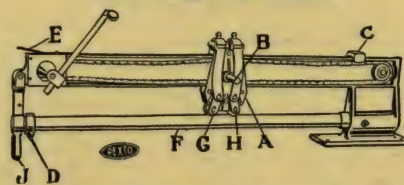


Capacity No. 24 Gauge Iron and Lighter

Number.....	Spiral Crimp 581	Straight Crimp 0581
Width crimping rolls, inches.....	1 1/4	1 1/4
Width beading rolls, inches.....	1	1
Diameter beading rolls, inches.....	1 1/4	1 1/4
Diameter crimping rolls, inches.....	1 1/4	1 1/4
Size ogee bead, inches.....	1 1/2	1 1/2
Shipped boxed regularly, approximate lbs.....	30	30

NOTE—Furnished complete with one pair of steel blank collars and off-set bench standard.

Grooving Machines

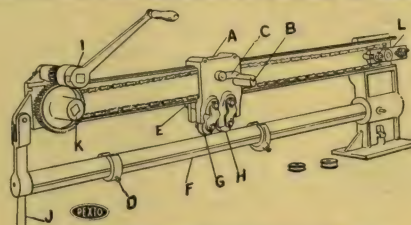


Capacity—No. 22 Gauge Iron and Lighter

Number.....	518
Shipping weight, approximately, lbs.....	200
Will groove work length, inches.....	30
Diameter of smallest pipe that can be grooved, inches.....	2

NOTE—Rolls are furnished, one each, with 1/4, 5/16 and 3/8-inch grooves and one flattening roll.

The best machine of its kind for grooving the longitudinal seams in stove pipe and other sheet metal cylinders. It differs from the ordinary Groover in that it is more rapid, the operator standing in front of the machine and does not have to change his position when inserting and removing work and operating the machine.



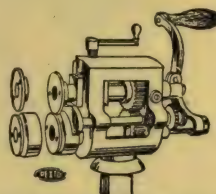
Capacity—No. 20 Gauge Iron and Lighter

Number.....	520
Shipping weight, approximately, lbs.....	410
Will groove work length, inches.....	36
Diameter of smallest pipe that can be grooved, inches.....	3
Ratio of gearing.....	3 1/2 to 1

NOTE—Furnished with 5/16 inch grooving roll for No. 20 gauge, 1/4-inch for No. 22 gauge, 3/8-inch for No. 24 gauge and lighter. Rolls of other dimensions are special and are only made when ordered at extra cost.

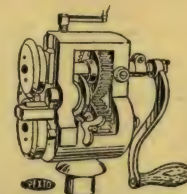
The trained eye of a mechanic is not necessary to claim for these new patterns a masterpiece machine for grooving and flattening the seams in heavy sheet metal work. The more important principles embodied in the construction of this machine are original, making for a greatly serviceable and convenient machine for light as well as heavy work.

Turning and Wiring Machines



COLUMBIAN PATTERN
TURNING MACHINE
Capacity No. 22 Iron and Lighter

No. 2544—Small Columbian Turning Machine, with Standard, weight 30 lbs.
No. 542—Large Columbian Turning Machine, with Standard, weight 26 lbs.
No. 540—Small Encased Turning Machine, with Standard, weight 23 lbs.
No. 525—Columbian Wiring Machine, with Standard, weight 31 lbs.



COLUMBIAN PATTERN
WIRING MACHINE
Capacity No. 22 Iron and Lighter

Improved Setting Down Machines

The improvements on this machine adapt it for setting down the seams of differently shaped vessels to better advantage than any other design.

The inclined position of both upper and lower faces allows work to be held up or down and seams to be started inward while setting down, thereby facilitating the operation of double seaming.

Adjustable gauges, with idler rollers are furnished. For seams up to 3/8 inch.

Capacity No. 24 Iron and Lighter

Shipping weight, approximately 50 lbs.
No. 561—With Standard.....

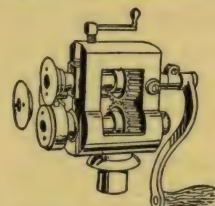


Burring Machines

COLUMBIAN PATTERN

These machines are made in open pattern with solid frame of improved design well known for their splendid wearing qualities, accuracy and ease of operation. The rolls are forged from special high-grade material giving extreme wearing qualities to the fine edge in the rolls necessary to produce a satisfactory uniform flange on a number of blanks.

Capacity No. 22 Iron and Lighter



Numbers.....	576 Small	3544 Large
Weight, lbs.....	26	33
Diameter of rolls, inches.....	1 1/4	2
Widest flange or burr that can be turned, inches.....	1 1/4	1 1/4

Beading Machines

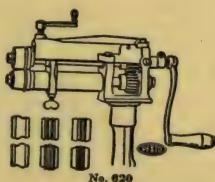
Stow's Patent Beading Machine

Capacity No. 24 Iron and Lighter.

The illustration shows the No. 620 Beading Machine with single beading rolls attached.

The three pairs of rolls, detached and shown in the cut from left to right, are Ogee, $\frac{3}{4}$ inch; Triple, $\frac{3}{8}$ inch and Triple Coffee Pot Bead, $\frac{1}{2}$ inch.

Four pairs of rolls and standard furnished with each machine.



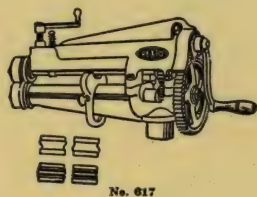
Depth of throat to frame.....	6 $\frac{1}{4}$ ins.
Depth of throat to gauge.....	5 $\frac{1}{2}$ ins.
Diameter of rolls.....	1 $\frac{1}{8}$ ins.
Width of rolls.....	1 $\frac{7}{16}$ ins.
Shipping weight.....	50 lbs.

Beading Machine

Capacity No. 20 Iron and Lighter.

This machine is especially adapted to work requiring a deep throat, such as automobile fenders, etc.

Depth of throat to frame..	13 ins.
Depth of throat to gauge..	12 ins.
Diameter of rolls.....	2 $\frac{3}{4}$ ins.
Width of rolls.....	1 $\frac{7}{8}$ ins.
Ratio of gearing.....	3 $\frac{1}{2}$ to 1
Shipping weight, approx...	140 lbs.



Crimping and Beading Machines

Back Geared—Ratio 3 to 1

Capacity No. 20 Iron and Lighter

No. 585—With spiral crimping and beading rolls and standard, weight 65 lbs.

No. 0585—With straight crimping and beading rolls and standard, weight 65 lbs.

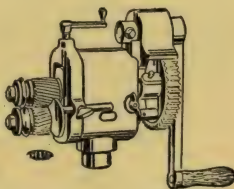
No. 581

Crimper and Bearer

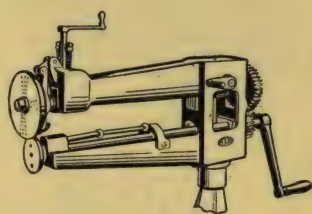
Capacity No. 24 Iron and Lighter

With spiral crimping and beading rolls and standard, weight 70 lbs.

No. 0595—Same as Above Except With Straight Crimping Rolls



Double Seaming Machines



Capacity—No. 26 Gauge Iron and Lighter

No. 644
Inches

Will receive work in depth.....15 $\frac{1}{2}$

Hand Dolly



No. 947

Size face, 5 x 5 $\frac{1}{2}$ in.
Thickness, $\frac{1}{16}$ in.

No. 283 United States Standard Sheet Gage



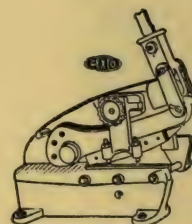
This Gage takes in sizes from No. 0 to No. 36. The Gage numbers are those of the U. S. Standard Gage for Sheet and Plate Iron and Steel, adopted by Congress, March 3, 1893.

Size of Gage is approximately 3 $\frac{1}{4}$ inches in diameter by $\frac{1}{8}$ inch thick.

The decimal equivalents of each number are stamped on the back.

Each Gage is carefully tested after hardening.

Slitting Shears



Capacity—No. 10 Gauge

Iron and Lighter

Will Cut Iron $\frac{1}{4}$ x 1 $\frac{1}{2}$ in.
No. R0296 Will Cut Rods
up to $\frac{1}{2}$ in. Diameter

No.	No.
0296	R0296
Plain	with Rod Cutter

Shipping weight, approximately, lbs.	185	190
Length cutting blades, in.....	10	10
Length gauge rod, in.....	14 $\frac{1}{2}$	14 $\frac{1}{2}$

NOTE—No. 0296 is a plain Slitting Shears; No. R0296 is the same as No. 0296, but is fitted with a serviceable and very practical rod cutting attachment.

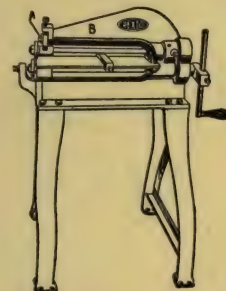
These Shears are commended for the slitting of sheets, length or crosswise, with ease up to their full rated capacity. They are patterned so as to allow sheets to pass freely, and proportioned so as to obtain the greatest strength and durability. They are furnished with or without rod cutting attachment.

Rotary Slitting Shears

Capacity—No. 16 Gauge Iron and Lighter

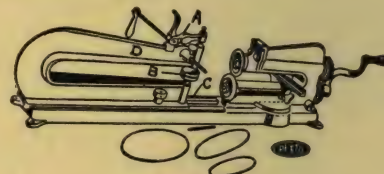
Number.....	255
Shipping weight, approximately, lbs.....	325
Diameter cutters, inches.....	3 $\frac{3}{8}$
Depth cutting head to gauge, inches.....	18
Depth cutting head to frame, inches.....	19
Size table, inches.....	20x8

These Shears will prove a time saver in any shop. They permit the most rapid means for slitting iron used in cornice, furnace, blow-pipe, ventilation work, etc. They may be utilized for conveniently cutting large irregular curves and circles when following a scribed line in a fraction of the time it takes to do the work with snips or bench shears. The cutters are made from a special high-grade tool steel, properly hardened and tempered and have two cutting edges, making them reversible. The crank is adjustable to different leverages, bearings (A) are adjustable to take up wear of the cutters and the cutting head (B) is of compact construction and is mounted on heavy cast iron legs. A desirable substitute for the 8-foot squaring shears where floor space is limited.



Circular Shears

Capacity—No. 22 Gauge
Iron and Lighter



	Hand	Tight Pulley
Number.....	278	x280
Shipping weight, approximately, lbs.....	125	146
Diameter cutters, inches.....	3 $\frac{1}{8}$	3 $\frac{1}{8}$
Diameter clamping discs, inches.....	2	2 $\frac{3}{4}$
Depth cutting head to gauge, inches.....	9 $\frac{1}{4}$	9 $\frac{1}{4}$
Depth cutting head to frame, inches.....	10 $\frac{1}{4}$	10 $\frac{1}{4}$
Depth circle arm, inches.....	16 $\frac{1}{4}$	34 $\frac{1}{2}$
Will circle from square blanks, inches.....	2 $\frac{3}{4}$ to 22	3 to 48

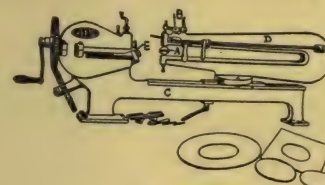
NOTE—No. 278 is arranged with crank for hand use. No. x280 is for power and has tight pulley. Tight and loose pulleys are not furnished with these patterns.

These Shears are widely known and have won an enviable reputation. They are most suitable for cutting outside circles, trimming or squaring tin plate, sheet iron, brass and copper.

Many original improvements are embodied in their construction, making them the most durable general service Circular Shears that the market offers.

Ring and Circular Shears

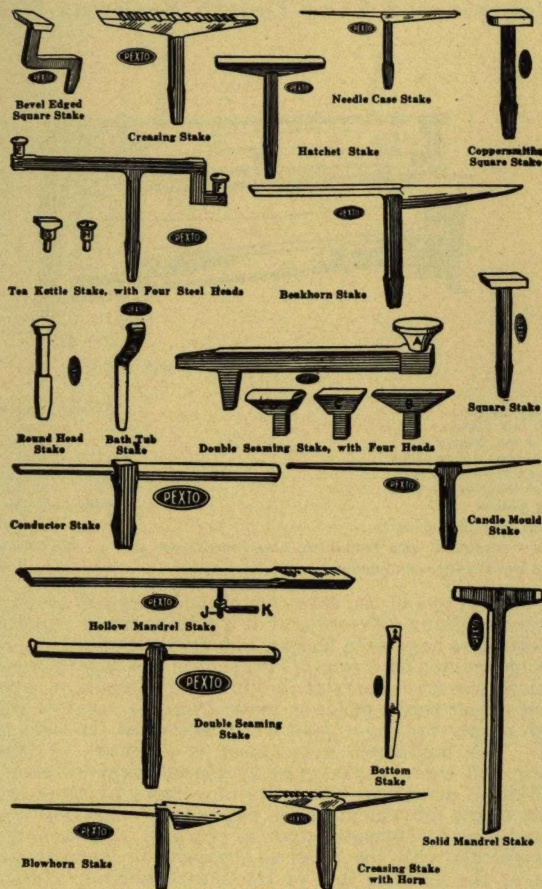
Capacity—No. 18 Gauge
Iron and Lighter



Number.....	398	399
Shipping weight, approximately, lbs.....	230	250
Diameter cutters, inches.....	1 $\frac{3}{4}$	1 $\frac{3}{4}$
Diameter clamping discs, inches.....	2	2
Depth cutting head to gauge, inches.....	9 $\frac{3}{8}$	9 $\frac{3}{8}$
Depth cutting head to frame, inches.....	10	10
Depth circle arm, inches.....	17 $\frac{1}{2}$	30 $\frac{1}{2}$
Will cut circle from square blanks, inches.....	3 to 24	3 to 42 $\frac{1}{2}$
Will cut rings small as (inside diameter), inches.....	3	3
Will cut rings large as (outside diameter), inches.....	24	42 $\frac{1}{2}$

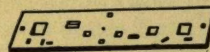
These improved patterns make up for a very useful and efficient bench ring and Circular Shears, intended for cutting circles or internal rings and irregular curves.

Tinners' Stakes



Bench Plates

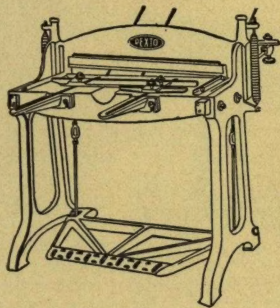
Bench Plates with polished surface adapted for screwing to a bench and holding stakes and bench shears.



No. 980	Bench Plate, 48 x 12 inches	85 pounds
No. 981	Bench Plate, 37½ x 8 inches	46 pounds
No. 982	Bench Plate, 30 x 8 inches	31 pounds

Squaring Shears

These new patterns are preferred over other shears owing to their extra wide bed plate and are so proportioned that they will cut up to the full rated capacity very much easier than any other similar shears of the same capacity. They are guaranteed to give very excellent service and Pexto high-grade quality materials combined with thorough workmanship make them the most desirable up-to-date medium-weight shears that the market offers.



Capacity—No. 18 Gauge Iron and Lighter

Number	122	132	137	142
Shipping weight, approx., lbs.	375	540	650	800
Length cutting blades, inches	22	30	36	42
Length short front arms, inches	12½			
Length long front arms, inches		19	25¼	25¼
Length rear gauge arms, inches	23	37	37	37
Shipped regularly	Crated	Crated	On Skids	On Skids

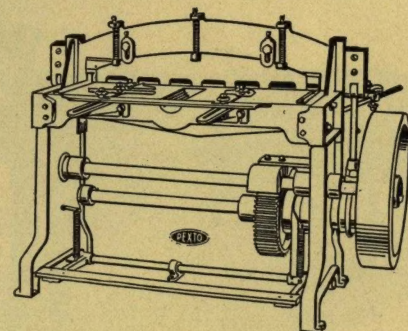
NOTE—No. 122 furnished with short front arms. Other numbers are furnished with long front arms. No. 137 and No. 142 have hold-down attachment.

Complete Gauge Equipment Furnished With All Numbers
Side Tables and Wood Shelf Will Not Be Sent Unless Specified

Tinners' Stakes

No. 901	Large Stake, or Beakhorn.	Weights 46 lbs.
No. 904	Large Stake, or Beakhorn.	Weights 27 lbs.
No. 921	Double Seaming, large end 17 ins., small end 12 ins.	Weights 37 lbs.
No. 930	Conductor, each end 14 ins.	Weights 25 lbs.
No. 931	Bevel Edged Square, face 3 x 5 ins.	Weights 16 lbs.
No. 932	Bevel Edged Square, face 2½ x 4½ ins.	Weights 14 lbs.
No. 925	Common Blowhorn, large end 9 ins., small end 18 ins.	Weights 14 lbs.
No. 927	Creasing with Horn, round end 12 ins., flat end 6¾ ins.	Weights 12 lbs.
No. 928	Common Creasing, 15 ins. long.	Weights 11½ lbs.
No. 935	Coppersmiths' Square, face 2¾ x 4½ ins.	Weights 11 lbs.
No. 936	Common Square, face 2¾ x 4½ ins.	Weights 11 lbs.
No. 938	Large Square, face 3 x 5 ins.	Weights 14 lbs.
No. 939	Small Square, face 1¾ x 2½ ins.	Weights 3 lbs.
No. 956	Candle Mould, long end 18½ ins., small end 9½ ins.	Weights 7½ lbs.
No. 957	Needle Case, flat end 8 ins., round end 10½ ins.	Weights 4 lbs.
No. 958	Tea Kettle, with four steel heads.	Weights 75 lbs.
No. 971	Conductor, large end 15 ins., small end 11½ ins.	Weights 28 lbs.
No. 965	Round Head, 3 ins., entire length 12½ ins.	Weights 9½ lbs.
No. 966	Bath Tub.	Weights 11 lbs.
HATCHET STAKES—No.		
	Length of blade—Inches	941 16 943 13 944 11
	Weight—pounds	14 8½ 6½
BOTTOM STAKES—Nos.		
	Width—Inches	951 1¾ 953 1½
	Weight—pounds	3 2
MANDREL STAKES—Nos.		
	Inches long to the Standard	967 30 968 30
	Weight—pounds	34 47
No. 910	Hollow Mandrel, 3 feet, 4 inches entire length; flat part, 9 inches long, 6 inches wide; oval part 31 inches long.	Weight 60 lbs.

Power Squaring Shears



Capacity—No. 14 Gauge Iron and Lighter

Number	220	221	222	223	224	225
Shipping weight, approx., lbs.	1310	1425	1535	1815	2250	2600
Length cutting blades, inches	30	36	42	52	62	72
Size fly wheel, inches	24x4½	24x4½	24x4½	24x4½	24x4½	24x4½
Weight fly wheel, lbs.	225	225	225	225	225	225
Speed fly wheel, R.P.M.	200	200	200	200	200	200
Ratio of gearing	4:1	4:1	4:1	4:1	4:1	4:1
Horsepower required, max.	2	2	2	3	3	4
Length long front arms, ins.	25¼	25¼	25¼	25¼	25¼	25¼
Length rear gauge arms, ins.	30	30	30	30	30	30
Shipped on skids regularly.						

NOTE—Furnished complete with hold-down attachment, one pair long front arms and complete gauge equipment. Nos. 224 and 225 have centre leg and two balance wheels. Cutting blades run about one inch over size listed.

Where a large variety of work in which the lighter and heavier gauges of iron are used these Shears will give maximum good service. They are up to the minute in design and substantially constructed. These Shears are easy running and no important improvements have been overlooked for making them the best Shears in this type that the market affords.

BERGER BROS. CO., PHILADELPHIA

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